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May 22, 1991

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**PRC ENVIRONMENTAL
MANAGEMENT, INC.****RECEIVED**

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**PRC ENVIRONMENTAL
MANAGEMENT, INC.**

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WRITER'S DIRECT

DIAL (302) 984-6019

**CONTAINS PROPRIETARY,
CONFIDENTIAL AND TRADE
SECRET INFORMATION**

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Chris Stubbs
South Coast Groundwater Section (H-6-4)
United States Environmental Protection Agency
P.O. Box 193062
San Francisco, California 94119-3036

Re: The Andrew Jergens Company

Dear Mr. Stubbs:

This letter and the documents submitted herewith are the response of The Andrew Jergens Company ("Jergens") to a letter, dated March 14, 1991, to Mr. William Crowe, former Plant Manager (now retired) of the Jergens facility located at 99 West Verdugo Avenue, Burbank California ("Facility"), from Mr. Jerry Clifford, EPA Region IX. You kindly agreed to grant a thirty (30) day extension of time until May 22, 1991 for Jergens to submit this response.

As discussed during my telephone conversations with you on May 8, 1991 and with Marcia Preston, Esquire on May 10, 1991, and as reflected in the responses below, Jergens does not have certain information and documents called for by the requests, such as detailed historical information in some cases going back to the early twentieth century, and insurance policies purchased by former owners of the company. Jergens also objects to the requests as unduly burdensome, vague and overbroad, and as extending beyond the scope of information which EPA may request under Section 104(e) of CERCLA and Section 3007(a) of RCRA. Jergens incorporates these objections into its responses and submits all of its responses subject to and without waiver of such objections. Further, without conceding the relevance or propriety of the requests for insurance, financial and corporate

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information (Requests 16-22), Jergens is voluntarily submitting such of the requested data as is reasonably available on the condition that it be treated as proprietary, confidential and/or trade secret information in accordance with 42 U.S.C. §9604(e)(7), 42 U.S.C. §6927, 18 U.S.C. §1905, 40 C.F.R. Part 2 and other relevant statutes and regulations (referred to collectively herein as "the Confidentiality Laws and Regulations"). Marcia Preston confirmed during my telephone conversation with her that EPA will preserve the confidentiality of these documents in accordance with the Confidentiality Laws and Regulations. The affidavit of J.E. Rayburn, Vice President, Manufacturing (U.S.) of Jergens, is included with this letter.

Documents which are responsive to each of EPA's requests are being submitted herewith in folders which are labeled to correspond to the request numbers. A "Document List" is also enclosed which identifies each of the documents which is being submitted. Where a single document responds to more than one request, this is indicated on the Document List with an appropriate cross-reference to the location of the document.

THE ANDREW JERGENS COMPANY'S RESPONSES TO
U.S. E.P.A. INFORMATION REQUEST

Except as specifically set forth in Jergens' responses, the information contained herein was gathered by the following individuals:

Mr. W. R. Somerville
Plant Manager
The Andrew Jergens Company
99 West Verdugo Avenue
Burbank, CA 91502

Mr. W. Haig
Environmental & Safety Engineer
The Andrew Jergens Company
99 West Verdugo Avenue
Burbank, CA 91502

1. List the EPA RCRA Identification Numbers of the Respondent, if any.

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RESPONSE NO. 1

The EPA-assigned RCRA Identification Number for The Andrew Jergens Company, 99 West Verdugo Avenue, Burbank, California 91502 is CAD982016156. A copy of EPA Form 8700-12A assigning this number to the Company is included in the folder labeled "Document Responsive To Request No. 1."

2. Describe the nature and dates of present and past operations at the facility.

RESPONSE NO. 2:

The first eight of the buildings which now comprise the Facility were constructed to produce soap in 1920 by Carbassemo Products, a partnership consisting of Mr. Andrew Jergens, founder of The Andrew Jergens Company ("Jergens"), and another individual. The partnership was dissolved within a year. At that time, Mr. Jergens purchased his partner's interest and the Facility, as it then existed, became part of Jergens. Additional buildings have been added to the Facility by Jergens during the years since 1920. Please refer to the list of Building Construction Dates included in the folder labeled "Documents Responsive To Request 6(a)."

During the time since Jergens began operating the Facility, Jergens has manufactured bar soap, lotions, creams, perfumes, and other cosmetic items for the consumer market at this location. At present, Jergens manufactures cosmetic lotions and creams, liquid soap, shampoos, conditioners and bar soap at

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the Facility. A site plan of the Facility, Drawing No. 1488-7, is included in the folder labeled "Documents Responsive To Request No. 2."

Raw materials for cosmetic lotions and creams, liquid soap, shampoos and conditioners are delivered to the Facility by truck and railroad tank car, and then weighed and mixed in batches. Finished products are piped to packaging lines for filling, packed in cases, and shipped off-site for distribution. Raw materials are stored on-site in drums, bags, cartons, and above-ground storage tanks.

Refined tallow for production of bar soap is delivered to the Facility in bulk by tank truck and railroad tank car and stored on-site in above-ground storage tanks. The production of bar soap includes a process by which sodium hydroxide and fats are saponified to yield soap and glycerine, as a by-product. The glycerine is separated from the soap, and the resultant soap is neutralized and contained for drying into pellets. Perfume and color are added to the pellets through a series of amalgamators and plodders, bars are cut and formed, and final bar soap is wrapped or cartoned and packed into cases for distribution.

3. Identify the current owner(s) of the facility. State the dates during which the current owner owned, operated, or leased any portion of the facility, and provide copies of all documents evidencing or relating to such ownership, operation, or lease, including but not limited to, purchase and sale agreements, deeds, and leases.

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RESPONSE NO. 3:

Jergens owns the Facility. As indicated in response to Request No. 2, Jergens has conducted manufacturing operations at this site since 1921. The Facility is located upon a rectangular site, consisting of two contiguous parcels, bounded by Verdugo Avenue on the east, Flower Street on the south, Olive Avenue on the west, and land occupied by the Southern Pacific Railroad on the north. Jergens also owns a third parcel at 255 South Flower Street (across from the Facility) which is used for off-street parking. Jergens does not know the exact dates when it purchased each of the above parcels. Further information responsive to this request is contained in a title policy report, dated May 8, 1988, which was prepared by Chicago Title Company at the time that Jergens was acquired by its current parent company, and in the documents Jergens received in support of such report. Copies of such report and supporting documents are included in the folder labeled "Documents Responsive To Request No. 3."

4. Identify all prior owners of the facility. For each prior owner further identify:

- a. The dates of ownership; and
- b. All evidence that hazardous materials were released or threatened to be released at the facility during the period that they owned the facility.

RESPONSE NO. 4:

Jergens does not know the identity of all prior owners of the property where the Facility is located, but believes that

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some or all of the property was previously owned by the Southern Pacific Railway Company. By way of further response, Jergens refers to the title report and supporting documents included in the folder labeled "Documents Responsive To Request No. 3."

a. Jergens does not know the dates of ownership by prior owners, except as contained in the title report and supporting documents included in the folder labeled "Documents Responsive To Request No. 3", which are incorporated herein by reference.

b. Jergens has no knowledge of any hazardous material releases or threatened releases from prior owners.

5. Identify the prior operators and lessees of the facility. For each such operator or lessee, further identify:

a. The dates of their operations at or lease of the facility;

b. The nature of their operations at the facility; and

c. All evidence that hazardous materials were released or threatened to be released at the facility during the period in which they were operating at the facility.

RESPONSE NO. 5:

Jergens has no knowledge concerning any prior operators or lessees, except as may be contained in the title report and supporting documents included in the folder labeled "Documents Responsive To Request No. 3", which are incorporated herein by reference.

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a. Please refer to the title report and supporting documents, included in the folder labeled "Documents Responsive To Request No. 3."

b. Please refer to the title report and supporting documents included in the folder labeled "Documents Responsive To Request No. 3."

c. Jergens has no knowledge of any hazardous material releases or threatened releases from prior operators or lessees.

6. Provide a scaled map of the facility which includes the locations of significant features. Describe the physical characteristics of the facility, including but not limited to, the following:

a. Surface structures (e.g., building, tanks, etc.);

b. Subsurface structures (e.g., underground tanks, sumps, pits, clarifiers, etc.);

c. Ground water wells and dry wells, including drilling logs;

d. Past and present storm water drainage system, sanitary sewer system, including septic tank(s) and subsurface disposal field(s);

e. Any and all additions, demolitions, or changes of any kind to physical structures on, under, or about the facility, or to the property itself (e.g., excavation work) and state the dates on which such changes occurred.

RESPONSE NO. 6:

Please refer to the drawing of the present Facility, Drawing No. 1488-7, which is included in the folder labeled "Documents Responsive To Request No. 2."

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a. In addition to the drawing referenced in the preceding sentence, please refer also to Jergens' Drawing No. 1804-C and the list of Building Construction Dates which are included in the folder labeled "Documents Responsive To Request No. 6(a)."

b. Please refer to The Andrew Jergens Company Vicinity Map and Drawing Nos. 1814-B, 1825-C, 1826-B and 1852-A, all of which Drawings are included in the folder labeled "Documents Responsive to Request No. 6(b)."

c. Soil borings have been conducted at the Facility in recent years, as described in the "Report of Well Investigation Program, Subsurface Investigation," dated March, 1991, Prepared by Active Leak Testing, Inc. A copy of this report is included in the folder labeled "Documents Responsive To Request No. 7." Jergens does not believe that any other wells are located on the property. Jergens has located a drawing showing plans for installing wells at the Facility, but Jergens has no record that such wells were actually installed.

d. Stormwater is discharged to the Los Angeles County stormwater drain system. Sanitary waste is discharged to the City of Burbank Sewer District System which is part of the greater Los Angeles Sewer System. (Please refer to Response No. 14 and related documents for information concerning the Facility's sewer connection and permit). Underground utilities at the Facility are shown on Drawing Nos. 1814-B, 1825-C, 1826-B

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and 1852-A, referenced above, which are included in the folder labeled "Documents Responsive To Request 6(b)."

7. Provide all existing technical or analytical information about the facility, including but not limited to, data and documents related to soil, water (ground and surface), geology, hydrogeology, or air quality on and about the facility.

RESPONSE NO. 7:

In response to this request, Jergens submits copies of the following studies which are included in the folder labeled "Documents Responsive To Request No.7":

1. Leak Detection/Tank Monitoring Program,
The Andrew Jergens Company, Prepared By
ESTI Engineering, Inc., October 9, 1987;
2. Site Assessment, The Andrew Jergens
Company, Burbank, California, Prepared
By William H. Park, Geologist, September
1988;
3. Interim Report of Underground Storage
Tank Testing And Leak Detection
Investigation, The Andrew Jergens
Company, Submitted by Active Leak
Testing, Inc., March 1989;
4. Report of Well Investigation Program,
Subsurface Investigation, The Andrew
Jergens Company, Prepared by Active Leak
Testing, Inc., March 1991;

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5. South Coast Air Quality Management District, Form TAC, submitted by The Andrew Jergens Company, January 30, 1991.

8. Are you or your consultants planning to perform any investigations of the soil, water (ground or surface), geology, hydrogeology, or air quality on or about the facility? If so, identify:

- a. The nature and scope of these investigations;
- b. The contractors or other persons that will undertake these investigations;
- c. The purpose of the investigations;
- d. The dates when such investigations will take place and be completed;
- e. Where on the facility such investigations will take place.

RESPONSE NO. 8:

Jergens has no current plans to pursue further investigations at the Facility.

9. Did you acquire the facility after the disposal or placement of the hazardous substances on, in, or at the facility? Describe all of the facts on which you base the answer to this Question.

RESPONSE NO. 9:

No, to the best of Jergens knowledge. As indicated in response to Requests 2 through 5 above, Jergens has operated the Facility since 1921, and little is known about previous activities at the site.

10. At the time you acquired the facility, did you know or have reason to know that any hazardous substance was disposed of on, in or at the facility? Describe all investigations of the facility that you took prior to acquiring

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the facility, and all of the facts on which you base the answer to this Question.

RESPONSE NO. 10:

No, to the best of Jergens' knowledge. As indicated in response to Requests 2 through 5 above, Jergens has operated the Facility since 1921, and little is known about previous activities at the site.

11. Did you ever transport to the facility or use, purchase, generate, store, treat, dispose, or otherwise handle at the facility any materials, either hazardous or non-hazardous? If the answer to this question is anything but an unqualified "no," identify:

a. In general terms, the nature and quantity of the non-hazardous materials so transported, used, purchased, generated, stored, treated, disposed, or otherwise handled;

b. The common chemical name, specific chemical name, Chemical Abstract Service (CAS) number, chemical composition, characteristics, and physical state (e.g., solid, liquid, gas) of each hazardous material so transported, used, purchased, generated, stored, treated, disposed, or otherwise handled;

c. The persons who supplied you with each such hazardous material or how each such hazardous material was generated by you;

d. How each such hazardous material was transported, used, purchased, stored, treated, disposed, or otherwise handled by you;

e. When each such hazardous material was transported, used, purchased, generated, stored, treated, disposed, or otherwise handled by you;

f. Where each such hazardous material was used, purchased, generated, stored, treated, disposed, or otherwise handled by you, describing the location(s) and providing a map or diagram of such location(s). Location information should include, but is not limited to, information pertaining to tanks, ponds, treatment facilities, and other units which were

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historically used to generate, store, treat or dispose of hazardous materials, but which may no longer exist;

g. The persons who transported and/or disposed of each such hazardous material. If disposal off of the facility occurred, provide a detailed description, including copies of manifests, and identify the location where the hazardous material was transported;

h. The annual quantity of each such hazardous material used, purchased, generated, stored, treated, transported, disposed, or otherwise handled by you, reported in gallons for liquids and pounds for solids.

RESPONSE NO. 11:

a. through h. In response to this Request, please refer to the Chemical Hazard Data Log included in the folder labeled "Documents Responsive To Request No. 11." For records of disposal of hazardous wastes during 1990, please refer to the manifest forms which are also included in the folder labeled "Documents Responsive To Request No. 11."

12. Identify all leaks, spills, releases or threats of releases of any kind into the environment of any hazardous materials that have occurred or may occur at or from the facility. In addition, identify:

- a. When such releases occurred or may occur;
- b. How the releases occurred or may occur;
- c. What hazardous materials were released or may be released;
- d. What amount of each such hazardous material was so released;
- e. Where such releases occurred or may occur, describing the location(s) and providing a map or diagram of such location(s);
- f. Any and all activities undertaken in response to each such release or threatened release;

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g. Any and all investigations of the circumstances, nature, extent, or location of each such release or threatened release, including the results of any soil, water (ground and surface), or air testing that was undertaken;

h. Whether any report(s) of any such release(s) was (were) made to any public agency, and the content of that (those) report(s);

i. All persons with information relating to subparts a. through h. of this Question.

RESPONSE NO. 12:

Jergens has no knowledge of any threatened releases.

Jergens knows of two past releases which are described below:

12-1: A hydrochloric acid release of approximately 25 gallons occurred within a diked area around the HCl storage tank.

a. 12/11/83;

b. The replacement of an existing tank valve with a valve of unsuitable material of construction;

c. Hydrochloric acid 20 Be';

d. Approximately 25 gallons;

e. The release occurred at the HCl exterior storage tank (See drawing 1852-A which is among the documents included in the folder labeled "Documents Responsive To Request No. 6(b)");

f. The Burbank Fire Department was called. They in turn called in the Los Angeles County HazMat Squad, which stopped the leak with a rubber patch clamped in place at the valve. Cal-United Services, a hazardous material response

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company, then emptied the tank, and neutralized and cleaned up the surrounding area;

g. See Letter, dated December 16, 1983 from Jergens to South Coast Air Quality Management District, included in the folder labeled "Documents Responsive To Request No. 12";

h. A telephone report of the release was made to the California State Office of Emergency Services, National Response Center, Los Angeles South Coast Air Quality Management District, and the Burbank Fire Department. A written report was made to the South Coast Air Quality Management District;

i. Mr. Haig, Mr. Somerville, and Mr. W.R. Crowe, Plant Manager (retired).

Mr. Crowe resides at
FOIA ex 6 Personal Privacy

12-2: An ethyl alcohol release occurred from an underground storage tank into surrounding soil.

- a. This was discovered upon testing;
- b. Corrosion over time of the steel UST resulted in a small gradual leak of material;
- c. SD Alcohol 40-B Denatured Ethanol CAS #64-17-5;
- d. Exact quantity unknown;
- e. At the original alcohol UST location. Please refer to the Vicinity Map which is included in the folder labeled "Documents Responsive To Request No. 6(b)";

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f. Jergens ceased using the UST, which was removed, and the soil immediately surrounding the tank was remediated. Jergens is awaiting final approval by the California Regional Water Control Board so that this project may be concluded;

g. ESTI Engineering, Inc. performed the testing to establish the UST condition. Please refer to the ESTI report dated 10/9/87, which is included in the folder labeled "Documents Responsive To Request No. 7";

h. The release was initially reported to the Los Angeles County Building Department, the local authority for UST's. The California Regional Water Quality Control Board was also notified on or before April 3, 1990 by telephone and a work plan for replacing, remediating and monitoring was submitted in writing on April 4, 1990;

i. Mr. Haig, Mr. Somerville and Mr. Crowe.

13. If any releases or threatened release identified in response to Question 12, above, occurred into any subsurface disposal system, floor drain, sump, or dry well inside or under any buildings located on the facility, further identify:

a. Precisely where the disposal system, floor drain, sump, or dry well is and was located;

b. When the disposal system, floor drain, sump, or dry well was installed;

c. Whether the disposal system, floor drain, sump, or dry well was connected to pipes;

d. Where such pipes are or were located, describing the location(s) and providing a map or diagram of such location(s);

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e. When such pipes were installed;

f. How and when such pipes were replaced, repaired, or otherwise changed.

RESPONSE NO. 13:

The releases described in responses 12-1 and 12-2 did not occur in any subsurface disposal system, floor drain, sump, or dry well, inside or under any building located on the facility.

14. Is the facility currently connected to a sewer line? If so, identify the sewage system, date of connection, and type of wastes discharged. If you are or at some time operated the facility without a sewer line connection, identify the method of waste disposal that you use or did use. Specifically, have you or are you using leach field(s), septic tank(s), or any other method of disposal at the facility. Provide copies of any sewer permits, including but not limited to industrial waste permits.

RESPONSE NO. 14:

The facility is connected to the City of Burbank Sewer District System, which is part of the greater Los Angeles sewer system. Wastes discharged by Jergens to the sewer system are permitted as "Industrial Wastes" by the City of Burbank. The date of connection is unknown; but Jergens has been able to confirm that the sewer connection has been in existence no less than 54 years based upon a 1937 building construction drawing which shows a then-existing sewer connection to a sewer in the street. The Facility uses no leach fields, septic tanks or similar methods of disposal. A copy of the Company's City of Burbank Discharge Permit and Requirements is included in the

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folder labeled "Documents Responsive To Request No. 14." Please refer also to Jergens Drawings 1814-B, 1825-C, 1826-B, and 1852-A, showing the current sewer system, which are included in the folder labeled "Documents Responsive To Request No. 6(b)."

15. Describe any acts or omissions of any persons, other than your employees, agents, or those persons with whom you had a contractual relationship, that may have caused the release or threat of release of hazardous substances at the facility and damages relating therefrom and identify such persons. In addition:

a. Describe all precautions that you took against foreseeable acts or omissions of any such third parties, and the consequence that could foreseeably result from such acts or omissions;

b. Describe the care you exercised with respect to the hazardous substances found at the facility.

RESPONSE NO. 15:

Jergens knows of no incident involving release of a hazardous substance by a non-employee engaged in handling these materials. Jergens takes appropriate and necessary precautions in the handling of hazardous materials, including but not limited to the following:

a. All deliveries of hazardous materials are supervised by Company employees during unloading process; and

b. The Company provides proper equipment and appropriate and necessary safeguards for the unloading and transfer of hazardous materials from delivery vehicles.

Examples of other precautions include a 24-hour watchman service, which makes hourly rounds at night to maintain

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plant security, fire safety, and monitoring for visible releases. Seven closed-circuit television cameras are located throughout the exterior boundaries of the Company to permit monitoring of the Facility's exterior by security personnel.

16. Identify all liability insurance policies held by Respondent from the time Respondent began operations at, assumed ownership of, or began leasing the facility (whichever occurred earlier) until the present. In identifying such policies, state:

- a. The name and address of each insurer and of the insured;
- b. The amount of coverage under each policy;
- c. The commencement and expiration dates for each policy.

In addition, submit a complete copy of each policy.

RESPONSE NO. 16:

The documents encompassed by this request are Proprietary, Confidential and Trade Secret Information. On the condition that the documents provided will be treated as Proprietary, Confidential and Trade Secret Information in accordance with the Confidentiality Laws and Regulations, Jergens has included a copy of the following liability insurance policy in the folder labeled "Documents Responsive To Request No. 16":

Tokio Marine & Fire Insurance Co., Ltd., Policy Number CPP 8900771-01 for the period July 1, 1990 to July 1, 1991. The Andrew Jergens Company is a named insured under this policy.

17. Provide copies of all income tax returns including all schedules sent by you to the federal Internal Revenue Service in the last five years.

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RESPONSE NO. 17:

The documents encompassed by this request are Proprietary, Confidential and Trade Secret Information. On the condition that the documents provided will be treated as Proprietary, Confidential and Trade Secret Information in accordance with the Confidentiality Laws and Regulations, Jergens has attached copies of its United States federal income tax returns for the years 1985 through 1989, which are included in the folder labeled "Documents Responsive To Request No. 17." The 1990 United States federal income tax return has not been filed with the Internal Revenue Service as of this date. The 1985 tax return was filed by Jergens directly with the Internal Revenue Service while returns in subsequent years were combined with those of Jergens' then-parent company which filed a consolidated return with the Internal Revenue Service.

18. Provide all financial statements for the past five fiscal years, including but not limited to those filed with the federal Internal Revenue Service, the Franchise Tax Board, any other state taxing authorities, and the Securities and Exchange Commission.

RESPONSE NO. 18:

The documents encompassed by this request are Proprietary, Confidential and Trade Secret Information. On the condition that the documents provided will be treated as Proprietary, Confidential and Trade Secret Information in accordance with the Confidentiality Laws and Regulations, Jergens has included Income Statements, Balance Sheets, and supporting

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schedules for Other Current Assets and Accrued Expenses for the years 1986 through 1990 in the folder labeled "Documents Responsive To Request No. 18."

19. Identify all of Respondent's current assets and liabilities.

RESPONSE NO. 19:

Please refer to the response to request no. 18.

20. Identify all subsidiaries and parent corporations of Respondent.

RESPONSE NO. 20:

The information encompassed by this request is Proprietary, Confidential and Trade Secret Information. On the condition that the information provided will be treated as Proprietary, Confidential and Trade Secret Information in accordance with the Confidentiality Laws and Regulations, Jergens submits the information concerning its parent and subsidiary corporations which is included in the folder labeled "Documents Responsive To Request No. 20."

21. Provide a copy of the most current Articles of Incorporation and By-laws of Respondent.

RESPONSE NO. 21:

The documents encompassed by this request are Proprietary, Confidential and Trade Secret Information. On the condition that the documents provided will be treated as Proprietary, Confidential and Trade Secret Information in accordance with the Confidentiality Laws and Regulations, Jergens

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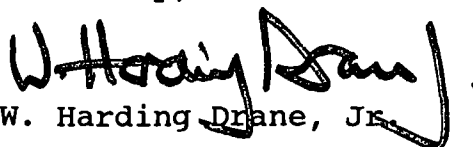
has included copies of the Company's current Certificate of Incorporation and By-Laws in the folder labeled "Documents Responsive To Request No. 21."

22. Identify the managers and majority shareholders or partners of Respondent and the nature of their management duties or amount of shares held, respectively.

RESPONSE NO. 22:

Mr. Somerville is the plant manager of the Facility. The Andrews Jergens Company's parent corporation, which owns all of Jergens' stock, is identified in information included in the folder labeled "Documents Responsive To Request No. 20."

Sincerely,


W. Harding Drane, Jr.

WHDjr/dgh - 28200
Enclosure

AFFIDAVIT

STATE OF OHIO)
) SS.
COUNTY OF HAMILTON)

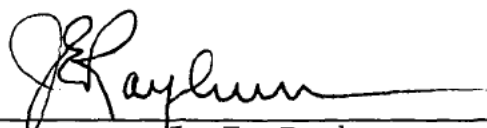
J. E. Rayburn, being duly sworn, does state as follows:

1. I am the Vice President, Manufacturing (U.S.) of The Andrew Jergens Company ("Jergens").

2. I am familiar with a letter dated March 14, 1991, to Mr. William Crowe, former Plant Manager (now retired) of the Jergens facility ("Facility") located at 99 West Verdugo Avenue, Burbank, California from Mr. Jerry Clifford, EPA Region IX, which requests information concerning the Facility.

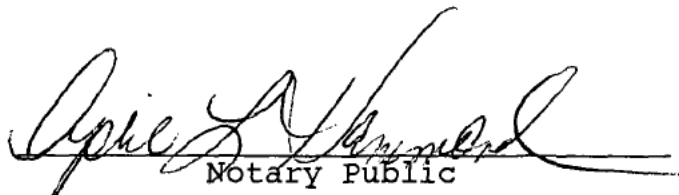
3. The attached responses to such requests have been prepared by Jergens employees acting under my supervision, with the assistance of counsel, based upon information known to present company employees and documents located in company files.

4. I believe that the responses are accurate in all material respects.



J. E. Rayburn

Signed and sworn before me this
21st day of May, 1991



Notary Public

APRIL L. HAMMOND
Notary Public, State of Ohio
My Commission Expires Oct. 18, 1992

DOCUMENT LIST

| <u>EPA Request No.</u> | <u>Description of Documents Responsive to Request</u> |
|------------------------|--|
| 1 | EPA Form 8700-12A/RCRA I. D. No. |
| 2 | Drawing No. 1488-7 (Site Plan) |
| | Listing of Building Construction Dates [see document produced in response to Request No. 6(a)] |
| 3 | Title Report and Supporting Documents |
| 4 | Title Report and Supporting Documents [see document produced in response to Request No. 3] |
| 5 | Title Report and Supporting Documents [see document produced in response to Request No. 3] |
| 6 | Drawing No. 1488-7 [see document produced in response to Request No. 2] |
| 6(a) | Drawing No. 1488-7 [see document produced in response to Request No. 2] |
| | Drawing No. 1804-C |
| | Listing of Building Construction Dates |

6(b)

Vicinity Map

Drawing No. 1814-B

Drawing No. 1825-C

Drawing No. 1826-B

Drawing No. 1852-A

6(c)

March 1991 Report of Well
Investigation Program by
Active Leak Testing [see
documents produced in
response to Request No. 7]

6(d)

Drawing Nos. 1814-B, 1825-
C, 1826-B, 1852-A [see
documents produced in
response to Request
No. 6(b)]

7

3/91 Report of Well Investi-
gation Program by Active
Leak Testing

10/9/87 Study by ESTI
Engineering

9/88 Study by William H.
Park, Geologist

3/89 Study by Active Leak
Testing

1/30/91 Study by South Coast
Air Quality Management
District

- 8 [No documents submitted in
response to this request]
- 9 [No documents submitted in
response to this request]
- 10 [No documents submitted in
response to this request]
- 11 Chemical Hazard Data Log
- Manifest Forms
- 12 Drawing No. 1852-A [see
documents produced in
response to Request
No. 6(b)]
- 12/16/83 letter from Jergens
to South Coast Air Quality
Management District
- Vicinity Map [see documents
produced in response to
Request No. 6(b)]
- 10/9/87 Study by ESTI
Engineering [see documents
produced in response to
Request No. 7]
- 13 [No documents submitted in
response to this request]
- 14 Drawing Nos. 1814-B, 1825-
C, 1826-B, 1852-A [see
documents produced in
response to Request
No. 6(b)]
- Burbank Discharge Permit
and Requirements

- 15 [No documents submitted in
response to this request]
- 16 Tokio Marine & Fire Ins. Co.
Policy No. CCP 8900771-
01, 7/1/90 - 7/1/91
[CONFIDENTIAL]
- 17 U.S. Federal Income Tax
Returns 1985-89 [CONFIDEN-
TIAL]
- 18 Income Statements, Balance
Sheets, Supporting
Schedules, 1986-90 [CONFI-
DENTIAL]
- 19 Income Statements, Balance
Sheets, Supporting
Schedules, 1986-90 [CONFI-
DENTIAL] [see documents
produced in response to
Request No. 18]
- 20 Subsidiary and Parent
Corporation Information
[CONFIDENTIAL]
- 21 Charter and By-Laws [CONFI-
DENTIAL]
- 22 Subsidiary and Parent
Corporation Information
[CONFIDENTIAL] [see
documents produced in
response to Request
No. 20]

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 1**

- EPA Form 8700-12A/RCRA
I. D. No.



ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ➤

TA0982016156

ANDREW JERGENS COMPANY
99 N VERDUGO AVE
BURBANK

CA 91503

INSTALLATION ADDRESS ➤

99 N VERDUGO AVE
BURBANK

CA 91503

EPA Form 8700-12A (4-80)

OF HAZARDOUS
WASTE ACTIVITY

EPA Form 8700-12A (4-80)

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 2**

- Drawing No. 1488-7
(Site Plan)
- Listing of Building Construction
Dates [see document produced
in response to Request No. 6(a)]

**PARTIALLY SCANNED
OVERSIZE ITEM(S)**

See document # 2203047
for partially scanned image(s).

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 3**

- Title Report and Supporting Documents



CHICAGO TITLE

800 S. FIGUEROA ST., SUITE 1170, LOS ANGELES, CA 90017 (213) 627-3630

- CHICAGO TITLE INS. CO.
- 233 BROADWAY 5th
- NEW YORK, N.Y. 10279
- ATTN: JIM McDONALD

Our No. 8800556-73

Your No. 88-33902-179

Date 5-13-88

We are sending you the items checked below:

- ☐ Preliminary Title Report or commitment dated as of
- ☐ Supplemental report dated as of
- ☐ Plat to be used with order number shown above
- ☒ Copy of documents/forms ITEM # 5.
- ☐ Policy of Title Insurance per your instructions
- ☐ Invoice for services
- ☐ Escrow Instructions dated
- ☐
- ☐

SINCERELY,

PHILIP W. CARMAN FOR
FOR JONATHAN F. LEGG
SPECIAL PROJECTS MANAGER
COMMERCIAL INDUSTRIAL

CC: CHADBourNE & PARKE
30 ROCKEFELLER PLAZA
NEW YORK, NEW YORK. 10112
ATTN: ANDREW C. CORONIOS, ESQ.

019004
DOCUMENT RESPONSIVE TO REQUEST NO. 3

1 4 drive easily
blue tint lamp 1 05
1 Parcel 6 on 12 1/2
all other household

County of Los Angeles, State
a promissory note bearing the
\$4,100 Dollars (\$400.84) ex-
cludes charges at the
balance of said note and to
the unpaid principal balance, as
of March, 1947, together with
charges as above said, which said
44, said note bearing charges
he above described property by
4 gone and agree that, except
from the above address
the state in which this note
is mortgaged.

obligations as herein rec-
is as in said note and in this
to be made in lawful money of
note or any part thereof are
to assessments or liens levied
in good order and receipt, based
upon demand of Mortgagee. The
deposit by Mortgagee, of any
given address of Mortgagee
at advance of a new to Mort-
of this mortgage for presen-
tial part of said note, shall be
to provided for in said note.
want to apply the same, first to
note in payment of principal.
installment or portion thereof
said note, or should Mortgagee
wants as contained in said note
to declare immediately for all
14. Such as election by Mort-
the election Mortgagee may want
together with all additional
possession of said property
is, at any time not less than
mortgage prepaid, to the pay-
ment of said property and to
a then due within 120 days
on terms and in such manner
thereof. The proceeds
of the sums due by the Mort-
then remaining shall be paid
to pay forthwith any debt

any action by the Mortgagee
rather, the rights and
his mortgage shall be

pages of any breach of the
would make, or of this
for occurring.

agreement shall bind and leave to the benefit of the parties hereto and their ad-
ministrators, heirs and assigns.

Mortgagee hereby specifically certifies that before affixing his signature below, he
has fully read this mortgage and acknowledges receipt of a copy of this mortgage and a
copy of the note secured thereby.

Witness: Grace Garner
Witness: Peter Van Booven
Witness: Blanche Van Booven

STATE OF CALIFORNIA COUNTY OF Los Angeles) ss On this 17th day of February, A.D. 1948,
before me, Doris I. Herman a Notary Public in and for the said County and State, residing
Berkeley, duly commissioned and sworn, personally appeared Grace Garner, known to me to be
the person whose name subscribed to the within instrument, as a Witness thereto, she
being by me duly sworn, deposes and says that he resides in Los Angeles, and that he
is present and that Peter Blanche Van Booven personally known to her to be the same
person, whose name is subscribed to the within and annexed instrument, execute and
deliver the same, and he acknowledged to said affiant that he executed the same;
and that said affiant subscribed her name thereto as a Witness.

I, DORIS I. HERMAN, Notary Public, do hereby certify that the day
and year in this certificate first above written.

(Seal) Doris I. Herman Notary Public in and for
the said County and State

One copy of original received at request of Mortgagee Feb 24, 1948 10:15 A.M. Corrist
Notary Public in and for the County of Los Angeles, State of California

WHEREAS, on the 11th day of January, in the year of our Lord nineteen hun-
dred and forty three between Los ANGELES COUNTY FLOOD CONTROL DISTRICT, a body politic
and corporate, party of the first part, and the City of Burbank, (a municipal corporation
of the State of California), the party of the second part;

WITNESSETH: That said party of the first part, for and in consideration of the sum
of one dollar (\$1.00) lawful money of the United States of America, to it in hand paid by
said party of the second part, the receipt whereof is hereby acknowledged, does by these
present covenants and convey unto said party of the second part a permanent easement and
right of way for public road, highway, and street purposes, in, over, along, under and across
all that certain lot and parcel of land, situate, lying and being in the City of Burbank,
County of Los Angeles, State of California, and bounded and particularly described as
follows, to-wit:

That portion of the Southern Pacific Railroad Company Depot
grounds as shown on Map of the Rancho Providencia and Scott Tract Recorded in Book 43,
Page 47 to 50 inclusive of Miscellaneous Records of Los Angeles County, California de-
scribed as follows: Beginning at a point in the center line of Olive Avenue as describ-
ed in deed to the City of Burbank Recorded in Book 10800, Page 128 of Official Records
of said County, distant 30.41°13'00" East therefrom, and along the Southeastern prolongation
thereof, 70.00 feet from the Southeastern prolongation of the Southeastern line of
said street as shown on Map of Tract No. 3088 Recorded in Book 100, Page 41 and 42 of
Records of said County; thence South 43°45'00" East 30 feet to the beginning of a
curve to the East, having a radius of 15 feet; said point being the true point of
beginning (a radial line through said beginning of curve bears South 43°45'00" East,
thence Southerly along said curve 22.07 feet to the point of beginning of a tangent
curve to the Southwest, having a radius of 1905 feet, a radial line through said
mentioned point bears South 43°45'00" East; thence Southeastern along said last
mentioned curve 64.00 feet to the point of beginning of a tangent curve concave to the
East having a radius of 1805 feet, a radial line through said last mentioned point
bears South 44°51'00" East; thence Southeastern along said last mentioned curve to the
Southeastern line of said Southern Pacific Railroad Company Depot grounds, thence North-
easterly along the Southeastern line of said parcel to a point in the Southeastern line
of said Olive Avenue (100 feet wide); thence South 41°13'00" East along said Southeastern
line of Olive Avenue to the true point of beginning.

Said portion to be known as Flower Street.
Said party grants to said City all rights to acquire or remove any trees, shrubs, or other
planting or removing of any trees, shrubs, or other planting or removing of any trees, shrubs,
and unless all rights to the same are hereby conveyed.

time within said roadway; and in the acceptance of any improvements made in or upon said roadway. It is understood that each of the undersigned grantors grants only that portion of the above described parcel or land which is included within land owned by said grantor or in which said grantor is interested.

TO HAVE AND TO HOLD all and singular said premises, unto said party of the second part, to be used as and for a public street, and for no other purpose.

IN WITNESS WHEREOF, the said party of the first part has hereunto executed the above instrument the day and year first above written.

(Seal)
WITNESSES:-----

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
By Gordon L. McDonough
Chairman of the Board of Supervisors

ATTEST: J. P. MONROE, County Clerk and ex-officio Clerk of the Board of Supervisors of the Los Angeles County Flood Control District
By Alice Burke, Deputy

STATE OF CALIFORNIA COUNTY OF LOS ANGELES. On this 18th day of January, in the year 1943, before me, J. P. MONROE, County Clerk of the County of Los Angeles, State of California, personally appeared Gordon L. McDonough, to me known to be the Chairman of the Board of Supervisors of the Los Angeles County Flood Control District, which District executed the within instrument, and acknowledged to me that said District executed the same and that he executed said instrument in behalf of said District.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal of my office in the City of Los Angeles, State of California, on the day and year in this certificate first above written.
(Seal)

J. P. MONROE County Clerk of Los Angeles
County, California.
By E. L. Thompson Deputy

DEED FOR A PORTION OF FLORES ST., from Olive St. (Lower St. section) to the City of Los Angeles.

Approved as to description August 18, 1941 Los Angeles County Flood Control District
By G. J. Burghas District Engineer, Right of Way Division

Approved as to description January 25, 1943 Raymond S. Bennett City Engineer
By G. J. Burghas Deputy

Approved as to form Jan. 26, 1943 R. W. Fungler City Attorney By-Deputy
Approved as to form J.N. O'Connor County Counsel By Roy Woods Assistant

Where the Council of the City of Burbank do hereby resolve: That they do hereby accept and

dated the 18th day of January, 1942, from Los Angeles County Flood Control District to the City of Burbank, a Municipal Corporation, conveying a portion of Southern Pacific Railroad Company

Right of Way, California County of Los Angeles, City of Burbank, as follows: I, R. R. Hill, City Clerk of

the City of Burbank, do hereby certify that the foregoing resolution was duly and regularly passed and adopted by the Council of the City of Burbank, at their regular meeting held on the 26th day of January, 1942 by the following vote:
AYES: Councilmen Brown, Binton, Lapsley, Rothe and Tillman.
NAYS: None

(Seal) R. R. Hill City Clerk of the City of Burbank, California.

(COPY Copy of original recorded at request of City Clerk Feb 23, 1943 1:17 P.M. County of Los Angeles)

Recorded in Book 10, Page 25 of the Los Angeles County Records, by J. P. Monroe

FULL RECONSTRUCTION

NORTHERN COMMERCIAL CORPORATION, a California corporation, as Trustee under Deed of Trust dated March 8, 1941, made by BEN SHENKOW, who acquired title as a single man, Trustee, and recorded March 8, 1941, in Book 18774, Page 9, of Official Records in the office of the Recorder of Los Angeles County, California, describing land therein as:

Lots 1 and 2 of Block 2 of Tract 3208, City of Burbank, County of Los Angeles, State of California, as per map recorded in Book 79, Pages 22 and 23 of Maps in the office of the County Recorder of said County, having received from holder of the obligation thereunder a written request to reconvey, reciting that all sums secured by said Deed of Trust have been fully paid, and said Deed of Trust and the note or notes secured thereunder have been surrendered to said Trustee for cancellation, does hereby RECONVEY, with Warranty, to the person or persons legally entitled thereto, the estate now held by said Trustee.

In Witness Whereof, NORTHERN COMMERCIAL CORPORATION, as Trustee, has caused the foregoing deed and map to be hereto affixed by its President and Secretary, who are duly authorized, this 20th day of January, 1942.

(Seal) NORTHERN COMMERCIAL CORPORATION, as Trustee

By J. L. Gentry President

By J. L. Gentry Secretary

State of California, County of Los Angeles. On January 22, 1942, before me, J. P. Monroe, County Clerk of said County, personally appeared J. L. Gentry,

President and Secretary of said Northern Commercial Corporation, and acknowledged to me that they executed the foregoing instrument in behalf of said Corporation.

In Witness Whereof, I have hereunto set my hand and affixed my official seal of my office in the City of Los Angeles, State of California, on the day and year in this certificate first above written.

(Seal) J. P. MONROE County Clerk of Los Angeles County, California.

Three known to me to be the corporation that is the persons who execute and acknowledged to me that witness my hand and seal.

(Seal) Copy of original recorded in Book 10, Page 25 of the Los Angeles County Records, by J. P. Monroe

Consideration less than

In Consideration of three permanent address: James S. Greenwald, who own property in the city of Los Angeles, the West 4th Street of Los Angeles, State of California, in the office of the City of Los Angeles, dated this 18th day

State of California, County of Los Angeles, City of Los Angeles, John F. Poole, a Notary Public, known to me to be a Notary Public, and acknowledged to me.

(Seal) Witness

(COPY Copy of original recorded in Book 10, Page 25 of the Los Angeles County Records, by J. P. Monroe)

THIS DEED OF TRUST

is hereby acknowledged, herein called

WITNESSES: That the

of the said property

and, described as:

Lot Twenty Four (24)

is in Book 10, Page 25 of

Maps. TOGETHER WITH

right, power and authority

all apply such rents, in

addition or demand by

virtue of each agreement

therein.

One year after date, in

the City of Los Angeles, California

from date, until the

principal interest not be

paid default be made

thereon shall become

due and interest payable

on the note I promise to

execute by Deed of Trust



CHICAGO TITLE

800 S. FIGUEROA ST., SUITE 1170, LOS ANGELES, CA 90017 (213) 627-3630

SUPPLEMENTAL REPORT

- MAY 9, 1988
- CHICAGO TITLE INSURANCE CO.
- 233 BROADWAY 5TH FLOOR
- NEW YORK, NEW YORK 10279

ATTENTION: JIM MC DONALD

Re: Your Escrow No.: 88-33902-179
Our Order No. : 8800556-73
Loan No. :

GENTLEMEN:

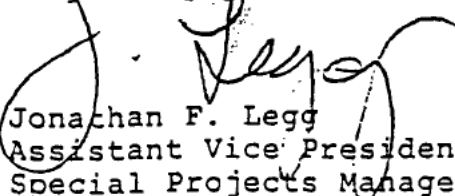
Please be advised that our preliminary title report dated
APRIL 20, 1988 , has been amended to reflect the following
changes:

OUR PRELIMINARY REPORT SHOULD REFLECT BEING DATED AS
OF APRIL 20, 1988, AT 7:30 A.M.

ITEM #2 OF THAT REPORT SHOULD SHOW FOR PUBLIC HIGHWAY PURPOSES,
NOT PUBLIC HUSBAND AND WIFE.

CC:
CHADBOURNE & PARKE
30 ROCKEFELLER PLAZA
NEW YORK, NEW YORK 10112
ATTN: ANDREW C. CORONIOS, ESQ.

Very truly yours,


Jonathan F. Legg
Assistant Vice President
Special Projects Manager
JFL:mcs

- ☐ Supplemental report dated as of
- ☐ Plat to be used with order number shown above
- ☒ Copy of documents/forms
- ITEMS 2, 3, 4 & 6. ITEM 5 TO FOLLOW.
- ☐ Policy of Title Insurance per your instructions

- ☐ Invoice for services
- ☐ Escrow Instructions dated

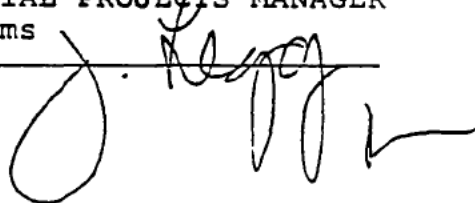
☐

☐

CC:

CHADBOURNE & PARKE
30 ROCKEFELLER PLAZA
NEW YORK, NEW YORK 10112
ATTN: ANDREW C. CORONIOS, ESQ.

JONATHAN F. LEGG
ASSISTANT VICE PRESIDENT
SPECIAL PROJECTS MANAGER
JFL:ms



CHICAGO TITLE INSURANCE COMPANY

Suite 1170
800 South Figueroa
Los Angeles, CA 90017
213-627-3630

Order No. 8800556-73
Your Ref. 88-33902-179

CHICAGO TITLE INSURANCE
5TH FLOOR
233 BROADWAY
NEW YORK, NEW YORK 10279

ATTN: JIM McDONALD

*****ENCLOSURES*****

____PHOTO COPIES OF ITEM(S)_____

____OTHER_____

The Preliminary Report for your Order 88-33902-179 is enclosed.

All recipients of the Report are shown.

Thank you for your consideration of Chicago Title.

CHICAGO TITLE INSURANCE COMPANY

Suite 1170
800 South Figueroa
Los Angeles, CA 90017
213-627-3630

PRELIMINARY REPORT

Order No. 8800556-73
Your No. 88-33902-17

CHICAGO TITLE INSURANCE
5TH FLOOR
233 BROADWAY
NEW YORK, NEW YORK 10279

ATTN: JIM McDONALD

Dated as of at 7:30 A.M.

In response to the above referenced application for a policy of title insurance, Chicago Title Company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage to said Policy or Policies are set forth in Exhibit A attached. Copies of the Policy forms should be read. They are available from the office which issued this report.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

The form of policy of title insurance contemplated by this report is:

1. California Land Title Association Standard Coverage Policy ☐
2. American Land Title Association Owners Policy Form B-Standard ☐
- 2a American Land Title Association Owners Policy Form B-Extended ☐
3. American Land Title Association Residential Title Insurance Policy ☐
4. American Land Title Association Loan Policy-Standard ☐
- 4a American Land Title Association Loan Policy-Extended ☐

Title Officer _____

JONATHAN F. LEGG, EXT. 4373

CHICAGO TITLE INSURANCE COMPANY

PRELIMINARY REPORT

Order No. 8800556-73

The estate or interest in the land hereinafter described or referred to covered by this Report is:

A Fee

Title to said estate or interest at the date hereof is vested in:

THE ANDREW JEROENS COMPANY, AN OHIO CORPORATION

The land referred to in this Report is described as follows:

PARCEL 1:

ALL THAT CERTAIN PIECE OR PARCEL OF LAND SITUATE IN THE CITY OF BURBANK, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, BEING A PORTION OF THE LAND SECONDLY DESCRIBED IN THE DEED TO SOUTHERN PACIFIC RAILROAD COMPANY, RECORDED IN BOOK 228 PAGE 248 OF DEEDS, AS SHOWN ON THE MAP OF THE SUBDIVISION OF THE RANCHO PROVIDENCIA AND SCOTT TRACT, AS PER MAP RECORDED RECORDED IN BOOK 43 PAGES 47 THROUGH 59 INCLUSIVE OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT OF INTERSECTION OF THE CENTER LINE OF OLIVE AVENUE, 100 FEET IN WIDTH, AS DESCRIBED IN THAT CERTAIN INDENTURE DATED SEPTEMBER 04, 1930 BETWEEN THE SOUTHERN PACIFIC COMPANY, THE SOUTHERN PACIFIC RAILROAD COMPANY, AND CITY OF BURBANK, RECORDED SEPTEMBER 06, 1930 IN BOOK 10200 PAGE 162 OFFICIAL RECORDS, WITH THE SOUTHWESTERLY LINE OF THE LAND SECONDLY DESCRIBED IN SAID DEED; THENCE NORTH 40 DEGREES 12 MINUTES 10 SECONDS EAST ALONG THE CENTER LINE OF SAID OLIVE AVENUE, 171.70 FEET; THENCE SOUTH 58 DEGREES 19 MINUTES 08 SECONDS EAST 198.06 FEET TO A POINT IN THE NORTHEASTERLY LINE OF THE LAND SECONDLY DESCRIBED IN SAID DEED; THENCE SOUTHEASTERLY ALONG SAID NORTHEASTERLY LINE ALONG A CURVE CONCAVE NORTHEASTERLY, AND HAVING A RADIUS OF 17,238.76 FEET, A DISTANCE OF 285.49 FEET TO THE MOST EASTERLY CORNER OF THE PARCEL OF LAND SECONDLY DESCRIBED IN SAID DEED; THENCE SOUTH 38 DEGREES 37 MINUTES 15 SECONDS WEST ALONG SAID SOUTHEASTERLY LINE 200 FEET TO THE MOST SOUTHERLY CORNER OF THE PARCEL OF LAND SECONDLY DESCRIBED IN SAID DEED; THENCE NORTHWESTERLY ALONG THE SOUTHWESTERLY LINE OF THE PARCEL OF LAND SECONDLY DESCRIBED IN SAID DEED, ALONG A CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 17,438.76 FEET, A DISTANCE OF 486.90 FEET TO THE POINT OF BEGINNING.

PARCEL 2:

THAT PORTION OF OF THE SUBDIVISION OF THE RANCHO PROVIDENCIA AND SCOTT TRACT, IN THE CITY OF BURBANK, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 43 PAGE 47 ET SEQ., MISCELLANEOUS RECORDS, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WESTERLY LINE OF VERDUGO AVENUE, WITH THE NORTHERLY LINE OF FLOWER STREET, AS SHOWN ON SAID MAP; THENCE WESTERLY ALONG SAID NORTHERLY LINE OF FLOWER STREET, 369.05 FEET, MORE OR LESS, TO THE MOST SOUTHERLY CORNER OF TRACT NO. 18, AS PER MAP RECORDED IN BOOK 12 PAGE 196 OF MAPS; THENCE NORTH 39 DEGREES 36 MINUTES EAST, ALONG THE EASTERLY LINE OF SAID TRACT NO. 18, 200.00

CHICAGO TITLE INSURANCE COMPANY

PRELIMINARY REPORT

Order No. 8800556-73

FEET, MORE OR LESS TO THE SOUTHERLY LINE OF THE RIGHT OF WAY OF THE SOUTHERN PACIFIC RAILROAD COMPANY, AS SHOWN ON SAID MAP; THENCE EASTERLY ALONG THE SOUTHERLY LINE OF SAID RIGHT OF WAY, 374.96 FEET, MORE OR LESS, TO THE WESTERLY LINE OF SAID VERDUGO AVENUE; THENCE ALONG SAID WESTERLY LINE OF VERDUGO AVENUE, SOUTH 41 DEGREES 17 MINUTES 30 SECONDS WEST, 200.45 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

PARCEL 3:

TRACT NO. 18, IN THE CITY OF BURBANK, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 12 PAGE 196 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

CHICAGO TITLE INSURANCE COMPANY
PRELIMINARY REPORT

Order No. 8800556-73

At the date hereof exceptions to coverage, in addition to the printed exceptions and exclusions contained in said policy form, would be as follows:

1. 01 GENERAL AND SPECIAL TAXES, A LIEN NOT YET PAYABLE, FOR THE FISCAL YEAR 1988-1989
1. 01 GENERAL AND SPECIAL TAXES, INCLUDING
TAXES, IF ANY:
TOTAL
FIRST INSTALLMENT
PERSONAL PROPERTY TAXES
SECOND INSTALLMENT
PENALTY
PARCEL NO.
HOMEOwner EXEMPTION

1987-1988
\$80,209.33
\$49,326.28
n/a
\$30,882.05
\$3

AFFECTS
GENERAL AND
TAXES, IF
FISCAL YEAR

CHICAGO TITLE INSURANCE COMPANY

PRELIMINARY REPORT

Order No. 8800556-73

3. RIGHTS OF WAY OVER PARCEL 3 FOR ALL PURPOSES APPERTAINING TO IRRIGATING DITCHES OR PIPES, AS RESERVED BY THE PROVIDENCIA LAND WATER AND DEVELOPMENT COMPANY IN DEED RECORDED IN BOOK 484 PAGE 75 OF DEEDS.
4. UNRECORDED LEASES REFERRED TO IN THE DEED FROM SOUTHERN PACIFIC RAILROAD COMPANY AND SOUTHERN PACIFIC COMPANY RECORDED NOVEMBER 26, 1941 IN BOOK 18954 PAGE 139 OFFICIAL RECORDS, AS FOLLOWS:

(A) LEASE DATED MAY 25, 1931 BETWEEN SOUTHERN PACIFIC COMPANY, AS LICENSOR, AND MANCOCK OIL COMPANY OF CALIFORNIA, AS LICENSEE, COVERING USE OF PORTION OF THE ABOVE DESCRIBED LAND FOR THE MAINTENANCE AND OPERATION OF AN OIL AND GASOLINE DISTRIBUTING STATION;

(B) LEASE DATED SEPTEMBER 01, 1935 BETWEEN SOUTHERN PACIFIC COMPANY, AS LICENSOR, AND D. D. DOYLE, OF BURBANK CALIFORNIA, (DOING BUSINESS UNDER THE FIRM NAME OF FRANKLIN OIL COMPANY OF CALIFORNIA), AS LICENSEE, COVERING USE OF PORTION OF THE ABOVE DESCRIBED LAND FOR THE MAINTENANCE OF

NO ASSURANCE IS MADE AS TO THE PRESENT OWNERSHIP OF SAID LEASEHOLD OR MATTERS AFFECTING THE RIGHTS OR INTEREST OF THE LESSOR OR LESSEE IN SAID LEASE.

5. AN EASEMENT AFFECTING THE PORTION OF SAID LAND AND FOR THE PURPOSES STATED HEREIN AND INCIDENTAL PURPOSES,
IN FAVOR OF THE CITY OF BURBANK, A MUNICIPAL CORPORATION
FOR PUBLIC ROAD, HIGHWAY AND STREET
RECORDED IN BOOK 19808 PAGE 287 OFFICIAL RECORDS
AFFECTS THAT PORTION OF SAID LAND WITHIN THE BOUNDARIES OF FLOWER STREET
6. A COVENANT AND AGREEMENT BY AND BETWEEN THE PARTIES NAMED HEREIN, UPON AND SUBJECT TO THE TERMS AND CONDITIONS THEREIN.
DATED JUNE 02, 1982
EXECUTED BY ANDREW JERGENS COMPANY
IN FAVOR OF CITY OF BURBANK
RECORDED JUNE 11, 1982 AS INSTRUMENT NO. 82-595183
REGARDING AS INSTRUMENT NO.:

NOW, THEREFORE, THE UNDERSIGNED, IN ACCORDANCE WITH SECTION 61-171 OF THE BURBANK MUNICIPAL CODE AND IN ORDER TO OBTAIN ISSUANCE OF THE AFORESAID PERMIT, DOES HEREBY COVENANT AND AGREE WITH THE CITY OF BURBANK, A MUNICIPAL CORPORATION, AS FOLLOWS:

1. THAT 30 PARKING SPACES CONFORMING TO THE REQUIREMENTS OF ARTICLES 14 AND 16 OF CHAPTER 31 OF THE BURBANK MUNICIPAL CODE WILL BE CONSTRUCTED AND MAINTAINED ON PARCEL THREE SOLELY AND EXCLUSIVELY FOR THE PARKING OF AUTOMOBILES AND OTHER VEHICLES FOR AND IN CONNECTION WITH PARCELS ONE AND TWO AND SHALL NOT BE USED FOR ANY OTHER PURPOSE:

2. THAT IN THE EVENT THE RIGHT TO USE SAID PARCEL THREE FOR PARKING PURPOSES IN CONNECTION WITH PARCELS ONE AND TWO IS LOST OR TERMINATED BY REASON OF FORECLOSURE, CONDEMNATION OR ANY OTHER REASON, OTHER REAL PROPERTY OF A SIZE SUFFICIENT FOR 30 PARKING SPACES FOR AND IN

CHICAGO TITLE INSURANCE COMPANY

PRELIMINARY REPORT

Order No. 8800556-73

CONNECTION WITH PARCELS ONE AND TWO WILL BE PROVIDED AND IMPROVED IN ACCORDANCE WITH THE PROVISIONS OF ARTICLES 14 AND 16 OF CHAPTER 31 OF THE BURBANK MUNICIPAL CODE OR SUCH OTHER PROVISIONS OF SAID MUNICIPAL CODE AS MAY BE THEN APPLICABLE TO THE IMPROVEMENT AND LOCATION OF PARKING AREAS AND TO OFF SITE PARKING AGREEMENTS REQUIRED IN CONNECTION THEREWITH.

THE COVENANTS AND AGREEMENTS HEREIN CONTAINED SHALL RUN WITH THE LAND AND BE BINDING UPON THE UNDERSIGNED'S ADMINISTRATORS, SUCCESSORS AND ASSIGNS, AND SHALL CONTINUE IN EFFECT UNTIL RELEASED OF RECORD BY RESOLUTION OF THE COUNCIL OF THE CITY OF BURBANK.

7. AN UNRECORDED LEASE, AFFECTING THE PREMISES HEREIN DESCRIBED, EXECUTED BY AND BETWEEN THE PARTIES NAMED HEREIN, FOR THE TERM AND UPON THE TERMS AND PROVISIONS SET FORTH.

| | |
|---------------|--|
| TYPE OF LEASE | GROUND |
| DATED | APRIL 16, 1981 |
| LESSOR | THE ANDREW JERGENS COMPANY, A DELAWARE CORPORATION |
| LESSEE | SCOTT TRUCKING COMPANY, A CALIFORNIA CORPORATION |
| TERM | (AS THEREIN PROVIDED) |
| DISCLOSED BY | LEASE AGREEMENT, PROVIDED TO THIS COMPANY |
| AFFECTS | SAID LAND |

NO ASSURANCE IS MADE AS TO THE PRESENT OWNERSHIP OF SAID LEASEHOLD OR MATTERS AFFECTING THE RIGHTS OR INTEREST OF THE LESSOR OR LESSEE IN SAID LEASE.

8. EXCEPT ALL WATER, CLAIMS OR RIGHT TO WATER, IN OR UNDER SAID LAND.
9. ANY EASEMENTS NOT DISCLOSED BY THOSE PUBLIC RECORDS WHICH IMPART CONSTRUCTIVE NOTICE AND WHICH ARE NOT VISIBLE AND APPARENT FROM AN INSPECTION OF THE SURFACE OF SAID LAND.
10. MATTERS WHICH MAY BE DISCLOSED BY INSPECTION AND/OR SURVEY OF SAID LAND OR BY INQUIRY OF PARTIES IN POSSESSION THEREOF.
11. RIGHTS OF PARTIES IN POSSESSION OF SAID LAND BY REASON OF UNRECORDED LEASES. PLEASE SUBMIT ANY SUCH LEASES TO THIS COMPANY FOR OUR EXAMINATION.
12. AN ALTA SURVEY WILL BE REQUIRED PRIOR TO THE ISSUANCE OF AN ALTA OWNERS FORM POLICY OF TITLE INSURANCE.
13. THE EFFECT OF INSTRUMENTS, PROCEEDINGS, LIENS, DECREES OR OTHER MATTERS WHICH DO NOT SPECIFICALLY DESCRIBE SAID LAND BUT WHICH, IF ANY EXIST, MAY AFFECT THE TITLE OR IMPOSE LIENS OR ENCUMBRANCES THEREON. THE NAME SEARCH NECESSARY TO ASCERTAIN THE EXISTENCE OF SUCH MATTERS HAS NOT BEEN COMPLETED AND IN ORDER TO DO SO WE REQUIRE A STATEMENT OF IDENTITY

FROM

BUYERS

6

GOLDEN STATE

FRONT

FRWY

ST.

OLIVE — AVE.

S. P.

R. R.

DEPOT GROUNDS

4.00 ACS. PARCEL

(Lying N.E. of Block 87, M.R. 17-18-18)
2637 Ashland Ave

ST.

**SUBDIVISION OF RANCHO PROVIDENCIA
AND SCOTT TRACT**

M.R. 43 - 47 - 59

RANCHO SAN RAFAEL
P. 3-222-223

TOWN OF BURBANK

M.R. 17-19-22

TRACT NO. 18

M.B. 12-190

**SUBDMISION OF RANCHO PROVIDENCIA
& SCOTT TRACT**

M.R. 17-15-10

CODE
2530

002 - 21

FOR PREV. AGENT. TEL: 1203 - 3

Street lines per SAC, 71-10-10
SAC, 44-37-90 are considered the 1st line
 in the street although the divisions of some lots are measured from
 the center line of the streets.

ASSISTANT'S MAP
COUNTY OF LOS ANGELES, CALIF.

Foot of Lot Twelve (12) East Eleven (11) Division 1 of the Raymond Improvement District recorded in Book 1772, at Page 116 of Page. City of South Pasadena, State of California; and the North forty and seventy-one hundredths (40.71) feet of Lot Eleven (11) and the South five and twenty-ninth hundredths feet (5.29) of Lot Twelve (12) in East Eleven (11) of Division 1 of the Raymond Improvement Company, recorded in Book 1772, Page 116 of Page City of South Pasadena, State of California, upon the following terms and conditions.

whereas:

1. That HELEN INGHAM VAN OLNEY has deposited with the Syndicate group the amount of Four Thousand (\$4,000.00) Dollars, which represents the investment as above described.
2. That HELEN INGHAM VAN OLNEY is to receive interest at 5% on this amount of Four Thousand (\$4,000.00) Dollars from May 18th, 1929, interest payable quarterly, and until such time until the Syndicate group has sold the above described property to an advantage.
3. That HELEN INGHAM VAN OLNEY is to receive one-third profit, that is the net profit derived from the proceeds of the sale of the above described property.
4. That HELEN INGHAM VAN OLNEY may withdraw the Four Thousand (\$4,000.00) Dollars invested in the above described property at any time and so chooses, upon notifying the Syndicate group in writing of her intentions to withdraw the same, and which permits the Syndicate group to refund the said amount, on or before sixty (60) days from date of notification for withdrawal.
5. There is a mortgage on the above described properties for the amount of Fifty-three Thousand (\$53,000.00) Dollars for twelve (12) years at six percent (6%) dated May 20th, 1929. Said mortgage was executed by EARLE C. BINGWELL, and title to the above described properties is vested in EARLE C. BINGWELL.

In Witness Whereof the parties hereto have executed this agreement the day and year above written.

EARLE C. BINGWELL
PHILIP SIMON
ALFRED TAYLOR MURRAY

STATE OF CALIFORNIA, COUNTY OF LOS ANGELES SS. On this 30th day of August, A. D. 1930 before me, CLYDE H. MORRILL, a Notary Public in and for said County and State, personally appeared PHILIP SIMON known to me to be the person whose name is subscribed to the within Instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(NOTARIAL SEAL)

CLYDE H. MORRILL, Notary Public

in and for said County and State.

1978- Copy of original recorded at request of CLYDE H. MORRILL Sep. 8, 1930, 10:57 AM
Correct File Compared. C.L. Legum, County Recorder. BY *M. K. Jones* Deputy
91.30-8.

ROAD OR HIGHWAY CROSSING TRACKS AT GRADE.

(Approved as to Form by
General Solicitor
October 3, 1929)

THIS INDENTURE, made this 4th day of September, 1930, between SOUTHERN PACIFIC COMPANY, a corporation of the State of Kentucky, and its Lessor, SOUTHERN PACIFIC RAILROAD COMPANY, a corporation, herein collectively termed first party, and CITY OF BURBANK, a municipal corporation of the State of California, second party.

WITNESSETH: That first party hereby grants to second party (subject to the conditions hereinafter contained) the right to construct and maintain a Highway upon and across that certain parcel of land situated in the County of Los Angeles, State of California and lying within the railroad right of way of first party, and described as follows, to-wit: Beginning at a point on the northeasterly line of the right of way of the SOUTHERN PACIFIC RAILROAD COMPANY at its intersection with the Center line of Olive Avenue produced southwesterly as said centerline exists northeast of said right of way and as shown on the map of the Town of Burbank recorded in Book 17, Pages 19 to 22 of Miscellaneous Records of said County of Los Angeles; thence northwesterly along said northeasterly right of way line parallel to and at a uniform distance of 50 feet measured at right angles northeasterly from the centerline of the Southern Pacific Railroad Company's main line track, a distance of 50 feet to a point; thence southwesterly along the northwesterly line of Olive Avenue produced southwesterly a distance of 300 feet to a point on the southwesterly right of way line of the Southern Pacific Railroad Company; thence along said southwesterly right of way line parallel to and at a uniform distance of 250 feet measured at right angles southwesterly from the said centerline of the SOUTHERN PACIFIC RAILROAD COMPANY's main line track, a distance of 100 feet to a point; thence northwesterly along the southeasterly line of Olive Avenue produced southwesterly

a distance of 200 feet to a point on the said northeasterly right of way line; thence northeasterly along the said northeasterly right of way line a distance of 20 feet to the point of beginning and containing an area of 20,000 square feet, as shown in tinted coloring on blue print map, Los Angeles Division Drawing A-9, sheet 1 of 1 dated Oct. 11, 1926, Revised August 19, 1930, hereto attached and made a part hereof.

Second party shall construct said highway sixty four (64) feet in width and keep the same in good condition and repair on the premises hereinabove described so long as the same shall be maintained thereon, including any and all paving thereof at its sole cost and expense and in this behalf agree to indemnify and save harmless first party against any and all such cost or expense excepting, however, that first party shall construct and maintain said crossing for a width of not more than sixty four (64) feet between the rails of said tracks and for a distance of not more than two (2) feet from the outside of said rails, herein called "franchise strip".

In consideration of this grant second party agrees to reimburse first party for any and all assessments which may be levied by order of any authorized lawful body against the property of first party in excess of fifty (50) dollars (and which may have been paid by first party) to defray any part of the cost or expense incurred by second party in connection with the construction and/or maintenance of said sixty four (64) feet strip lying outside of said franchise strip.

This agreement is subject to conditions contained in Decision 22514 of the Railroad Commission of the State of California, dated June 9th, 1930 (Application 14361) or any amendments thereof or supplements thereto.

The crossing of said highway over the tracks of first party shall be constructed and maintained at the grade of said tracks now or hereafter existing.

This grant is subject and subordinate to the prior and continuing right and obligation of first party and its successors to use and maintain its entire railroad right of way and property in performance of its public duty as a common carrier, and is also subject to the right and power of first party and its successors in interest or ownership of the said railroad right of way and property, to construct, maintain, use and operate, on the present or other grade, existing or additional railroad tracks and appurtenances thereto, including water and fuel pipe lines and conduits, and telegraph, telephone, signal, power and other electric lines, and other railroad facilities and structures of any kind upon, along or across any or all parts of said land above described, all or any of which may be freely done at any time or times by first party or its successors without liability to second party, or to anyone else, for compensation or damage.

And should second party, its successors or assigns, at any time abandon the use of the said land or any part thereof, or fail at any time to use the same for said purpose for a continuous period of one year, the right hereby given shall cease to the extent of the use so abandoned or discontinued, and first party shall at once have the right, in addition to but not in qualification of the rights hereinabove reserved, to resume exclusive possession of the said land, or the part thereof the use of which is so discontinued or abandoned.

This instrument is subject to all valid and existing contracts, leases, liens or encumbrances which may affect the said property, and the word grant as used herein shall not be construed as a covenant against the existence of any thereof.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their respective officers thereunto duly authorized, the day and year first above written.

(In Testimony)
(CORPORATE SEAL)
Form Approved--Contract Attorney
(CORPORATE SEAL)
Countersigned
F. L. McCARTHY, Auditor. (CORPORATE SEAL)
By J. L. DERRING

SOUTHERN PACIFIC COMPANY
By J. H. DYER, Vice-Pres. in charge of Operation
Attest: G. L. KING, Assistant Secretary.
SOUTHERN PACIFIC RAILROAD COMPANY
By G. L. KING Third Vice-President
Attest: B. P. EWING, Assistant Secretary
City of Burbank, a municipal corporation of the
State of California
By H. E. BRUGH, Mayor
Attest: F. S. WEBSTER, City Clerk S.H.H.

**NOTARIAL ACKNOWLEDGMENT SOUTHERN PACIFIC COMPANY
SOUTHERN PACIFIC RAILROAD COMPANY**

STATE OF CALIFORNIA, CITY AND COUNTY OF SAN FRANCISCO/SS.

Approved as to form
by General Solicitor
October 16, 1930.

On this 4th day of September 1930, before me, FRANK HARVEY, a Notary Public in and for said City and County of San Francisco, State of California, personally appeared J. H. DYER, and G. L. KING, known to me to be the Vice President and Assistant Secretary.

respectively of SOUTHERN PACIFIC COMP'Y, one of the corporations that executed the within instrument, and known to me to be the persons who executed the within instrument on behalf of SOUTHERN PACIFIC COMPANY; and each of them acknowledged to me that such corporation executed the same; and personally appeared S. L. KITE and S. F. EWING, known to me to be the Third Vice President and Assistant Secretary, respectively, of SOUTHERN PACIFIC RAILROAD COMPANY, one of the corporations that executed the within instrument, and known to me to be the persons who executed the within instrument on behalf of SOUTHERN PACIFIC RAILROAD COMPANY; and each of them acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office, in the said City and County of San Francisco, State of California, on the day and year in this certificate first above written.

(NOTARIAL SEAL)

FRANK HARVEY, Notary Public

In and for the City and County of San Francisco, State of California.

STATE OF CALIFORNIA, COUNTY OF LOS ANGELES)SS. On this 5th day of September, 1930, before me, ARTHUR G. KEINATH, a Notary Public in and for the County of Los Angeles, State of California, personally appeared H. E. BRUCE and F. S. WEBSTER, known to me to be the Mayor and Clerk, respectively, of the City of Burbank, the municipal corporation that executed the within instrument, and known to me to be the persons who executed the within instrument on behalf of the City of Burbank, and each of them acknowledged to me that such municipal corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office, in the said County of Los Angeles, State of California, on the day and year in this certificate first above written.

(NOTARIAL SEAL)

ARTHUR G. KEINATH, Notary Public
in and for the County of Los Angeles, State of California.

COPY OF A PORTION OF THE MINUTES OF THE MEETING OF THE COUNCIL OF THE CITY OF BURBANK
HELD ON THE 5th day of September, 1930;

"The President of the Council stated that this meeting had been called for the consideration of an easement given by the Southern Pacific Company to the City of Burbank for street purposes, over Olive Avenue at their tracks and other matters pertaining to the improvement of Olive Avenue. The Clerk at this time presented and read the document.

After consideration, it was moved by LAPSLEY, seconded by THOMPSON that the Easement be approved, and accepted in behalf of the City of Burbank, and the Mayor of the City of Burbank be, and he is hereby authorized to sign and the City Clerk to attest the same.
Motion carried by the following vote:

AYES: Bruce, Coffman, Lapsley, Strowd and Thompson

NOES: None

ABSENT: None."

STATE OF CALIFORNIA, COUNTY OF LOS ANGELES, CITY OF BURBANK)SS.

I, F. S. WEBSTER, City Clerk ^{of the} City of Burbank, hereby certify that the foregoing is a true and correct copy of a portion of the Minutes of the meeting of the Council of the City of Burbank held on the 5th day of September, 1930.

(CORPORATE SEAL)

F. S. WEBSTER,
City Clerk of the City of Burbank
By ROBT. H. HILL, Deputy.

#3

To have and to hold, all and singular the said premises, together with the appurtenances unto the said party of the second part, and to his heirs and assigns forever.

In Witness whereof, the said party of the first part, has hereunto set his hand and seal the day and year first above written.

Signed sealed and delivered
in presence of R. K. White } Walter F. Andrews, (one)

State of California.
County of Los Angeles } On the 1st day of July, one thousand eight hundred and eighty seven, before me, W. B. Cress, a Notary Public in and for Los Angeles County, residing therein, duly commissioned and sworn, personally appeared Walter F. Andrews, known to me to be the person described in and whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

In Witness whereof, I have hereunto set my hand and signed my official seal at my office in the County of Los Angeles, the day and year first above written.

(Notarial Seal) Wm B. Cress.

Notary Public

7. A full, true and correct copy of the original, recorded at request of Grant, Aug. 30, 1887, at 26 min past 3 P. M.

Frank C. Gibson, County Recorder
By J. C. McKee Deputy

This instrument, made the twenty-eighth day of August, in the year of our Lord one thousand eight hundred and eighty-eight (1888) between, The Providence Land, Water and Development Co. a corporation, duly organized under the laws of the State of California the party of the first part, and The Los Angeles County Railroad Company a corporation duly organized under the laws of the State of California, the party of the second part, It is covenanted that the said party of the first part, for and in consideration of the sum of one dollar lawful money of the United States of America to it in hand paid by the said party of the second

12 fact, the receipt thereof is fully acknowledged, done and
 13 by these presents grant, bargain sell, convey and confirm
 14 into the said party of the second part, and to its suc-
 15 cessors, heirs and assigns forever, all those certain lots, pieces
 16 or parcels of land, situate, now lying and being in the county
 17 of Los Angeles State of California, are more particularly describ-
 18 ed as commencing at the north eastern corner of lot two
 19 (two sixty-seven (67)) Providence Avenue to the intersection of
 20 Valencia Avenue and Flower Street: thence running wester-
 21 ly along the southerly line of said Flower Street, to the
 22 north westerly corner of said lot two (two sixty-seven (67))
 23 thence southerly along the westerly line of said lot ^{two} (two), two
 24 hundred and eighty-eight, and eighty-nine one hundredth feet.
 25 (288.89) thence in an easterly course on a line parallel
 26 with the south line of Flower Street to the westerly
 27 line of Valencia Avenue: thence northerly along the westerly
 28 line of Valencia Avenue to the place of beginning, containing
 29 four acres, six hundred and thirty square feet, granted and conveyed to said
 30 party of the second part, to be used only for railroad
 31 purposes and terminus facilities.
 32 Also a certain tract or parcel of land, lying east of the tract,
 33 of land conveyed by the party of the first part, to the
 34 Southern Pacific Railroad Company, and described as follows:
 35 tract: commencing at the southeast corner of said tract,
 36 on the northerly line of Flower Street thence northerly
 37 along the east line of said tract, to the right of way of
 38 the Southern Pacific Railway Company: thence easterly along
 39 said right of way one hundred (100) feet: thence southerly
 40 on a line parallel with said easterly line of said tract,
 41 conveyed to the Southern Pacific Railway Company, to the
 42 northerly line of Flower Street: thence westerly along said
 43 northerly line of Flower Street to the place of beginning,
 44 being a strip of ground 100 feet front on Flower Street,
 45 in 100 feet deep.
 46 Also the right of way over and along Flower Street for
 47 a railway track for operating a steam railroad so long as
 48 said party of the second part shall operate such rail-
 49 road as laid down and delineated on the map of the

subdivision of the Rancho Providencia, and Scott, made by
 the said Surveyors in the year 1887. a copy of said
 map being of record in the office of the County Recorder
 of said County of Los Angeles in book 17 of miscellaneous re-
 cords at page 18 at up. The right of any one and through
 said premises is hereby reserved for all purposes appertaining
 to irrigating ditches or pipes that may be required by the
 grantors, their successors or assigns: also reserving any
 and all artesian water that may at any time be developed
 on said land and not used thereon.
 Together with all and singular the tenements, sedentiments,
 and appurtenances, thereto belonging, or in anywise
 appertaining, and the division and reversions, remain-
 der and remainders and, issues and profits thereof
 to have and to hold, all and singular the said premises
 together with all the appurtenances, unto the said party
 of the second part and to its successors and assigns
 forever.

And witness whereof, the said party of the first part has
 caused these presents to be subscribed by its President
 and Secretary and its corporate seal to be affixed hereto
 the day and year first above written by virtue of a resolu-
 tion of its Board of Directors adopted March 1st 1887, and
 of which a certified copy is of record in the office of the
 Recorder of Los Angeles County, California in book 240 of
 records page 422.

Corporate Seal Providence Land, Water and Development Co.
 Signed, sealed and delivered By L. T. Darnsey, President.
 in the presence of J. H. J. Richards, Secretary.
 State of California, City
 and County of Los Angeles } On this 4th day of August, in the
 year of our Lord one thousand eight hundred and
 eighty-eight before me, John W. Dean, a Notary Public
 in and for the said Los Angeles County, duly commis-
 sioned and sworn, personally appeared L. T. Darnsey,
 President, and J. H. J. Richards, Secretary of The Providence
 Land, Water and Development Co known to me to be the Presi-
 dent and Secretary of the corporation described in and who

presented to the said mine surveyor, and he
 informed me that such exploration expenditures
 and other items I have incurred at my hand and
 others my private use, at my time in the city and
 country of the District, Tuesday and year in the judicial
 and some others.

(Witnessed)

John H. Green.

Clara Green

7. A full true and correct copy of the original, recorded
 document of J. P. Green, dated Aug. 20, 1882 at San Francisco, Cal.
 Francis J. Gibson, County Recorder
 By J. W. McKee, Deputy.

This document, made the 27th day of August, in the year
 of our Lord one thousand eight hundred and eighty-
 eight, between W. C. Rose of the city of Pasadena, California
 county of Los Angeles, State of California, and the said Clara

This Indenture, made the Twenty-eighth day of August, in the year of our Lord, one thousand eight hundred and eighty-eight (1888) between, The Providencia Land, Water and Development, Co. a corporation, duly organized under the laws of the State of California, the party of the first part, and The Los Angeles County Railroad Company, a corporation duly organized under the laws of the State of California, the party of the second part. Witnesseth: That the said party of the first party, for and in consideration of the sum of One dollar lawful money of the United States of America to it in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, does and by these presents grant, bargain, will, convey and confirm unto the said party of the second part, and to its successors, heirs and assigns forever, all those certain lots, _____ or parcels of land, situate and lying and being in the county of Los Angeles, State of California and more particularly described as commencing at the north eastern corner of lot two (2) block eighty-seven (87) Providence Ranch, at the intersection of Verdugo Avenue and Flower Street; thence running westerly along the southerly line of said Flower Street, to the north-westerly corner of said lot two (2) block eighty-seven (87) thence southerly along the westerly line of said lot (two), two-hundred and eighty-eight and eighty-four one hundredth's feet. (288 ⁸⁸/100) thence in an easterly course on a line

parallel with the south line of Flower Street to the westerly line of Verdugo Avenue; thence northerly along the westerly line of Verdugo Avenue to the place of beginning, containing four acres. Said land being granted and conveyed to said party of the second part, to be used only for railroad grounds and terminal facilities.

Also a certain tract or parcel of land lying east of the tract of land conveyed by the party of the first part to the Southern Pacific Railroad Company, and described as follows, to wit: Commencing at the south east corner of said tract, on the northerly line of Flower Street; thence northerly along the east line of said tract, to the right of way of the Southern Pacific Railway Company; thence easterly along said right of way one hundred (100) feet; thence southerly on a line parallel with said easterly line of said tract conveyed to the Southern Pacific Railway Company, to the northerly line of Flower Street; thence westerly along said northerly line of Flower Street to the place of beginning, being a strip of ground 100 feet front on Flower Street, by 200 feet deep.

Also the right of way over and along Flower Street for a railway track for operating a steam railroad so long as said party of the second part shall operate such railroad as laid down and delineated on the map of the subdivision of the Rancho Providencia and Scott made by _____ Surveyors

on this year 1887 a copy of said map being of record in the office of the County Recorder of said County of Los Angeles in book 17 of miscellaneous records at page 15 et seq, the right of any over and through said premises is hereby reserved for all purposes appertaining to irrigating ditches or pipes that may be required by the grantors, their successors or assigns; also reserving any and all artesian water that may at any time be developed on said land and not used thereon.

Together with all and singular the tenements, hereditaments, and appurtenances thereunto belonging, or in anywise appertaining and the reversion and reversions, remainder under and remainders, rent, issues and profits thereof, to have and to hold, all and singular the said premises together with all the appurtenances unto the said party of the second part and to its successors and assigns forever.

In Witness whereof, the said party of the first part has caused these presents to be subscribed by its President and Secretary and its corporate seal to be affixed hereto, the day and year first above written by virtue of a resolution of the Board of Directors adopted March 21st 1887 and of which a certified copy is of record in the office of the Recorder of Los Angeles County, California in book 240 of Deeds, page #22.

[signature and attestation clause omitted]

Recd: 11 Co
J. J. Co
J. J. Co

When recorded please
mail to:
The Andrew J. Co
Burbank
California

COMPARED

Read by **STROBEL**
Document **SHARP**

RECORDED AT REQUEST

TITLE INSURANCE & TRUST CO.
NOV 28 1941
In Book 18954, Page 1
of 6884 Records
County of Los Angeles, Calif.
Fee \$ _____
NAME & BEATTH COUNTY REC

210
16

THIS INDENTURE, made this 2nd day of September, 1941, between SOUTHERN PACIFIC RAILROAD COMPANY, a corporation, and its Lessee, SOUTHERN PACIFIC COMPANY, a corporation, first parties, and THE ANDREW JERGENS COMPANY, an Ohio corporation, second party,

WITNESSETH:

That said first parties, for and in consideration of the sum of Ten (10) Dollars, lawful money of the United States of America, to them paid by the said second party, the receipt whereof is hereby acknowledged, do by these presents grant, bargain, sell, convey and confirm unto the said second party, and to its successors and assigns forever, all that certain piece or parcel of land situate in the City of Burbank, County of Los Angeles, State of California, being a portion of the land secondly described in the deed to Southern Pacific Railroad Company, recorded in Book 228 at page 248 of Deeds, in the Office of County Recorder of said County, as shown on the map of the subdivision of the Rancho Providencia and Scott Tract, recorded in Book 43 of Miscellaneous Records at pages 47 to 59 inclusive, in the Office of the County Recorder of said County, described as follows:

BEGINNING at the point of intersection of the center line of Olive Avenue, 100 feet in width, as described in that certain indenture dated September 4, 1930, between the Southern Pacific Company, the Southern Pacific Railroad Company and City of Burbank, recorded September 6, 1930, in Book 10200 of Official Records, at page 162 in the Office of County Recorder of said County, with the southwesterly line of the land secondly described in said deed; thence North $40^{\circ} 12' 10''$ East along the center line of said Olive Avenue, 171.70 feet; thence South $58^{\circ} 19' 08''$ East, 198.06 feet to a point in the northeasterly line of the land secondly described in said deed; thence Southeasterly along said northeasterly line, along a curve, concave Northeasterly, and having a radius of 17,238.76 feet, a distance of 285.49 feet to the most easterly corner of the parcel of land secondly described in said deed; thence South $38^{\circ} 37' 15''$ West along said southeasterly line, 200 feet to the most southerly corner of the parcel of land secondly described in said deed; thence Northwesterly along the southwesterly line of the parcel of land secondly described in said deed, along a curve, concave Northwesterly and having a radius of 17,438.76 feet, a distance of 486.90 feet to the point of beginning,



containing 2.161 acres, more or less.

RESERVING, HOWEVER, unto the said first parties, their successors and assigns:

1. An exclusive easement for railroad purposes over a strip of land, 20 feet in width, lying 10 feet on each side of the following described center line of the present constructed drill track:

BEGINNING at a point in the center line of said Olive Avenue, distant North 40° 12' 10" East thereon, 159.37 feet from its intersection with the southwesterly line of the parcel of land secondly described in said deed; thence Southerly along a curve, concave Westerly, having a radius of 458.59 feet, through an angle of 36° 26' 08", an arc distance of 291.62 feet to the southwesterly line of the land secondly described in said deed, distant Southeasterly thereon, 239.02 feet from its intersection with the center line of said Olive Avenue.

2. That certain portion of railroad spur track owned by first parties, and located Easterly of the above mentioned 20-foot strip of land, together with the right to remove said portion of the railroad spur track.

This deed is issued subject to the following:

- (a) Rights of the public to use for roadway purposes that portion of the parcel of land first above described that lies within said Olive Avenue;
- (b) Lease dated May 25th, 1931, between Southern Pacific Company, as Licensor, and Hancock Oil Company of California, as Licensee, covering use of portion of the above described land for the maintenance and operation of an oil and gasoline distributing station;
- (c) Lease dated September 1st, 1935, between Southern Pacific Company, as Licensor, and D. D. Doyle, of Burbank, California, (doing business under the firm name of Franklin Oil Company of California), as Licensee, covering use of portion of the above described land for the maintenance of tanks, pipe line and unloading facilities for the handling of crude oil and petroleum products.

The premises herein described are hereby granted subject to that certain mortgage or deed of trust from Southern Pacific Railroad Company and its Lessee, Southern Pacific Company, to The Equitable

Trust Company of New York (to which The Chase National Bank of the City of New York is successor) as Trustee, dated January 3rd, 1905, being known as the First Refunding Mortgage.

Southern Pacific Railroad Company and Southern Pacific Company expressly covenant to/cause said mortgage or deed of trust to be released and discharged within one year from the date of delivery of this deed to the second party, so far as it affects the hereinabove described land.

TOGETHER with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof.

TO HAVE AND TO HOLD all and singular the said premises, together with the appurtenances, unto the said second party, and to its successors and assigns forever.

The above described land hereby conveyed is not necessary or useful in the performance of the duties of said first parties to the public.

IN WITNESS WHEREOF, the said first parties have caused these presents to be executed by their officers thereunto duly authorized and their corporate seals to be hereunto affixed the day and year first herein written.

SOUTHERN PACIFIC RAILROAD COMPANY,

By Re. F. Hillbrand
Second Vice President.

Attest: Jay D. Bacon
Assistant Secretary.

SOUTHERN PACIFIC COMPANY,

By Thurman
Vice President.

Attest: Jay D. Bacon
Assistant Secretary.

STATE OF CALIFORNIA, in the apartments, unto the said second party, and to
City and County of San Francisco and as follows forever.

On this 3 day of September in the year One Thousand Nine Hundred and Forty one
before me, FRANK HARVEY, a Notary Public in and for the City and County of San Francisco, State of California, personally appeared
63 Market St.
in the presence of ROY C. HILLEBRAND
one public.

known to me to be the SECOND VICE PRESIDENT OF THE
SOUTHERN PACIFIC RAILROAD COMPANY
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at
my office in the City and County of San Francisco, the day and year in this certificate first
above written. Frank Harvey

My Commission Expires August 10, 1945.

NOTARY PUBLIC IN AND FOR THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA

STATE OF CALIFORNIA,
City and County of San Francisco

By Roy C. Hillebrand
Second Vice President.

On this 3 day of September in the year One Thousand Nine Hundred and Forty one
before me, FRANK HARVEY, a Notary Public in and for the City and County of San Francisco, State of California, personally appeared
63 Market St.

A. T. MERCIER

SOUTHERN PACIFIC COMPANY,

known to me to be the VICE PRESIDENT OF THE
SOUTHERN PACIFIC COMPANY Vice President.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at
my office in the City and County of San Francisco, the day and year in this certificate first
above written.

**COVENANT AND AGREEMENT
WITH RESPECT TO OFF-SITE PARKING**

WHEREAS, the undersigned, the Andrew Jergens Company, is the owner of that certain real property commonly known as 99 West Verdugo, in the City of Burbank, County of Los Angeles, State of California, and more particularly described as follows (hereinafter referred to as PARCEL ONE):

SUBDIVISION OF RANCHO PROVIDENCIA AND SCOTT TRACT AS PER BK 17 PG 15 TO 18 OF M R 2.63 MORE OR LESS ACS COM AT MOST S COR OF 1R NO 18 TH SE ON NE LINE OF FLOWER ST 569.05 FT TH NE ON NW LINE OF VERDUGO AVE TO SW LINE OF 100 FT S P R R R/W TH NW THEREON 574.96 FT TH S 39°36' W TO BEG PART OF 4 ACS PARCEL LOT, AS RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY,

and further described as follows (hereinafter referred to as PARCEL TWO):

LOT COM AT MOST S COR OF TR NO 18 TH NE ON SE LINE OF SD TR TO SW LINE OF 100 FT S P R R R/W TH NW ON SD LINE 358.49 FT TH N 58°19'08" W TO SE LINE OF OLIVE AVE TH SW ON SD SE LINE OF AVE TO NE LINE OF FLOWER ST TH SE THEREON TO BEG PART OF DEPOT GROUNDS SUBDIVISION OF COMPLETE DESCRIPTION IN ASSESSORS RECORD TRACT NO 18, AS RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY,

and the Andrew Jergens Company has applied to the City of Burbank for a permit to construct on said PARCELS ONE AND TWO an addition to the existing building(s); and

WHEREAS, the space available on said PARCELS ONE AND TWO is not sufficient to meet the off-street parking requirements of Section 31-165 of the Burbank Municipal Code; and

WHEREAS, the undersigned is also the owner of that certain real property commonly known and described as 255 South Flower Street, in the City of Burbank, County of Los Angeles, State of California and more particularly described as follows (hereinafter referred to as PARCEL THREE):

SUBDIVISION OF RANCO PROVIDENCIA AND
SCOTT TRACT AS PER BK 43 PG 47 TO 59
OF M R 1.04 MORE OR LESS ACS COM AT
INTERSECTION OF SW LINE OF FLOWER ST
WITH NW LINE OF LOT 2 BLK 87 TH SE ON
SD SW LINE 286.6 FT TH S 41°17'30" W TO
NE LINE OF LAND DESC IN OR23686-69 TO
L A COMPLETE DESCRIPTION IN ASSESSORS
RECORD PART OF LOT 2 BLK 87, AS RE-
CORDED IN THE OFFICE OF THE COUNTY
RECORDER OF SAID COUNTY,

on which 30 parking spaces can be provided;

NOW, THEREFORE, the undersigned, in accordance with Section 31-171 of the Burbank Municipal Code and in order to obtain issuance of the aforesaid permit, does hereby covenant and agree with the City of Burbank, a municipal corporation, as follows:

1. That 30 parking spaces conforming to the requirements of Articles 14 and 16 of Chapter 31 of the Burbank Municipal Code will be constructed and maintained on PARCEL THREE solely and exclusively for the parking of automobiles and other vehicles for and in connection with PARCELS ONE AND TWO and shall not be used for any other purpose;

2. That in the event the right to use said PARCEL THREE for parking purposes in connection with PARCELS ONE AND TWO is lost or terminated by reason of foreclosure, condemnation or any other reason, other real property of a size sufficient for 30 parking spaces for and in connection with PARCELS ONE AND TWO will be provided and improved in accordance with the provisions of Articles 14 and 16 of Chapter 31 of the Burbank Municipal Code or such other provisions of said Municipal Code as may be then applicable to the improvement and location of parking areas and to off site parking agreements required in connection therewith.

The covenants and agreements herein contained shall run with the land and be binding upon the undersigned's administrators, successors and assigns, and shall continue in effect until released of record by resolution of the Council of the City of Burbank.

DATED 2nd day of June, 1982

ANDREW JERGENS COMPANY

By James H. Hobb
President

By James C. Hill
Vice President and Assistant Secretary

STATE OF OHIO)
) SS.
COUNTY OF HAMILTON)

On June 2, 1982, before me, the undersigned, a Notary Public in and for said State personally appeared James L. Pahlis and James R. Miller, known to me to be the President and Vice President and Assistant Secretary of The Andrew Jergens Company that executed the within instrument, known to me to be the persons who executed the within instrument on behalf of The Andrew Jergens Company, and acknowledged to me that such Company executed the within instrument.

WITNESS my hand and official seal this 2nd day of June, 1982.

Betty Becker

BETTY BECKER
Notary Public, State of Ohio
My Commission Expires March 14, 1983

#6
RECORDING REQUESTED BY
CITY OF BURBANK

WHEN RECORDED MAIL TO:
CITY CLERK
CITY OF BURBANK
275 E. OLIVE AVENUE
BURBANK, CA 91502

82- 595183

RECORDED IN OFFICIAL RECORDS
RECORDER'S OFFICE
LOS ANGELES COUNTY
CALIFORNIA
4 MIN. 8 A.M. JUN 11 1982
PAST.

FEE \$7
4

COVENANT AND AGREEMENT
WITH RESPECT TO OFF-SITE PARKING

No Tax Due
City of Burbank
By *[Signature]*
Steve H. Hays

WHEREAS, the undersigned, the Andrew Jergens Company, is the owner of that certain real property commonly known as 99 West Verdugo, in the City of Burbank, County of Los Angeles, State of California, and more particularly described as follows (hereinafter referred to as PARCEL ONE):

SUBDIVISION OF RANCHO PROVIDENCIA AND SCOTT TRACT AS PER BK 17 PG 15 TO 18 OF M R 2.63 MORE OR LESS ACS COM AT MOST S COR OF IR NO 18 TH SE ON NE LINE OF FLOWER ST 569.05 FT TH NE ON NW LINE OF VERDUGO AVE TO SW LINE OF 100 FT S P R R R/W TH NW THEREON 574.96 FT TH S 39°36' W TO BEG PART OF 4 ACS PARCEL LOT, AS RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY,

and further described as follows (hereinafter referred to as PARCEL TWO):

LOT COM AT MOST S COR OF TR NO 18 TH NE ON SE LINE OF SD TR TO SW LINE OF 100 FT S P R R/W TH NW ON SD LINE 358.49 FT TH N 58°19'08" W TO SE LINE OF OLIVE AVE TH SW ON SD SE LINE OF AVE TO NE LINE OF FLOWER ST TH SE THEREON TO BEG PART OF DEPOT GROUNDS SUBDIVISION OF COMPLETE DESCRIPTION IN ASSESSORS RECORD TRACT NO 18, AS RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY,

and the Andrew Jergens Company has applied to the City of Burbank for a permit to construct on said PARCELS ONE AND TWO an addition to the existing building(s); and

WHEREAS, the space available on said PARCELS ONE AND TWO is not sufficient to meet the off-street parking requirements of Section 31-165 of the Burbank Municipal Code; and

WHEREAS, the undersigned is also the owner of that certain real property commonly known and described as 255 South Flower Street, in the City of Burbank, County of Los Angeles, State of California and more particularly described as follows (hereinafter referred to as PARCEL THREE):

SUBDIVISION OF RANCO PROVIDENCIA AND SCOTT TRACT AS PER BK 43 PG 47 TO 59 OF M R 1.04 MORE OR LESS ACS COM AT INTERSECTION OF SW LINE OF FLOWER ST WITH NW LINE OF LOT 2 BLK 87 TH SE ON SD SW LINE 286.6 FT TH S 41°17'30" W TO NE LINE OF LAND DESC IN OR23686-69 TO L A COMPLETE DESCRIPTION IN ASSESSORS RECORD PART OF LOT 2 BLK 87, AS RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY,

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STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

On June 2, 1982, before me, the undersigned, a Notary Public in and for said State personally appeared James L. Pahis and James R. Miller, known to me to be the President and Vice President and Assistant Secretary of The Andrew Jergens Company that executed the within instrument, known to me to be the persons who executed the within instrument on behalf of The Andrew Jergens Company, and acknowledged to me that such Company executed the within instrument.

WITNESS my hand and official seal this 2nd day of June, 1982.

Betty Becker

BETTY BECKER

Notary Public, State of Ohio
My Commission Expires March 14, 1983

82- 595183

LEASE AGREEMENT

THIS LEASE, made as of the 16TH day of APRIL, 1981
by and between THE ANDREW JERGENS COMPANY, a Delaware corporation,
hereinafter referred to as Lessor, and SCOTT TRUCKING COMPANY, a
CALIFORNIA corporation, hereinafter referred to as
Lessee:

W I T N E S S E T H:

WHEREAS, Lessor is the owner of a parcel of land in the
City of Burbank, State of California, situated on the southeast
corner of Flower Street and Olive Avenue and west and northwest
of Southern Pacific Right of Way; and

WHEREAS, the Lessee desires to lease from the Lessor
this parcel of land and Lessor is willing to lease said parcel
of land to Lessee upon the terms and conditions hereinafter set
out.

(1) Lessor hereby leases to the Lessee and the Lessee
hires from the Lessor, for vehicle parking purposes only for
Lessee's vehicles, the said parcel of land shown on the attached
plot marked Exhibit A, which is made a part hereof by reference.

(2) The term of this lease shall be month-to-month,
commencing on the 20TH day of APRIL, 1981 at a monthly
rental of \$300.00 lawful money of the United States, payable in
advance on the 1st day of each and every month.

(3) The Lessee shall not use or permit said premises
or any part thereof to be used for any purpose or purposes other
than the purpose or purposes for which said premises are hereby
leased.

(4) The Lessor reserves the right to enter upon the
demised premises at any reasonable time for the purpose of
inspecting and examining same.

(5) The parties expressly agree that the purpose for

which the demised premises are to be used is for parking and storing vehicles used by Lessee in its business of drywall hauling. Lessee, at its sole cost and expense, agrees to keep said premises and appurtenances and every part thereof in the same good order and condition as is Lessor's adjoining property. Upon vacating the premises, Lessee shall immediately, at its own expense, remove therefrom any and all signs and rubbish.

(6) Lessee, at its sole cost, shall comply with all the requirements of all Municipal, State or Federal authorities now in force, or which may hereafter be in force, pertaining to the use of said premises, and shall faithfully observe in said use all Municipal Ordinances and State and Federal Statutes now in force or which may hereinafter be in force.

(7) In addition to the rental hereinbefore provided to be paid by the Lessee, Lessee, at its sole cost and expense, agrees to procure and maintain in full force and effect during the term of this lease the following insurance in companies acceptable to Lessor:

(a) Workmen's Compensation insurance in accordance with the laws of the State of California.

(b) Comprehensive Public Liability and Property Damage Insurance in amounts of not less than \$300,000 per person and per occurrence; and

(c) Automobile Public Liability and Property Damage Insurance covering use of owned, non-owned and hired motor vehicles in amounts of not less than \$300,000 per person and per occurrence for bodily injury or property damage.

(d) Lessee agrees to and does hereby indemnify, save and hold harmless Lessor, its officers, directors, employees, agents, successors and assigns from and against any and all liabilities, injuries, damages, law suits, costs or expenses (including reasonable attorneys' fees) of whatever kind or nature arising from or out of Lessee's use of the demised property.

(8) The Lessee shall not assign this lease or any interest therein and shall not sublet the premises or any part thereof.

(9) In case suit shall be brought for an unlawful detainer of said premises, for the recovery of rent due under the provisions of this lease, or because of the breach of any other covenant contained herein on the part of the Lessee to be kept or performed, Lessee shall pay to Lessor a reasonable attorney's fee which shall be fixed by the Court.

(10) This lease's month-to-month term is subject to cancellation by either party on thirty (30) days' prior written notice.

(11) Any and all notices required to be given hereunder shall be given to the Lessor at 99 West Verdugo Avenue, Burbank, California, 91502, and notices intended for the Lessee shall be directed to it at P.O. Box 520, Colton, California 92324 postage prepaid, provided that either party may, from time to time, prescribe in writing to the other a new or different mailing address for receipt of any such notices.

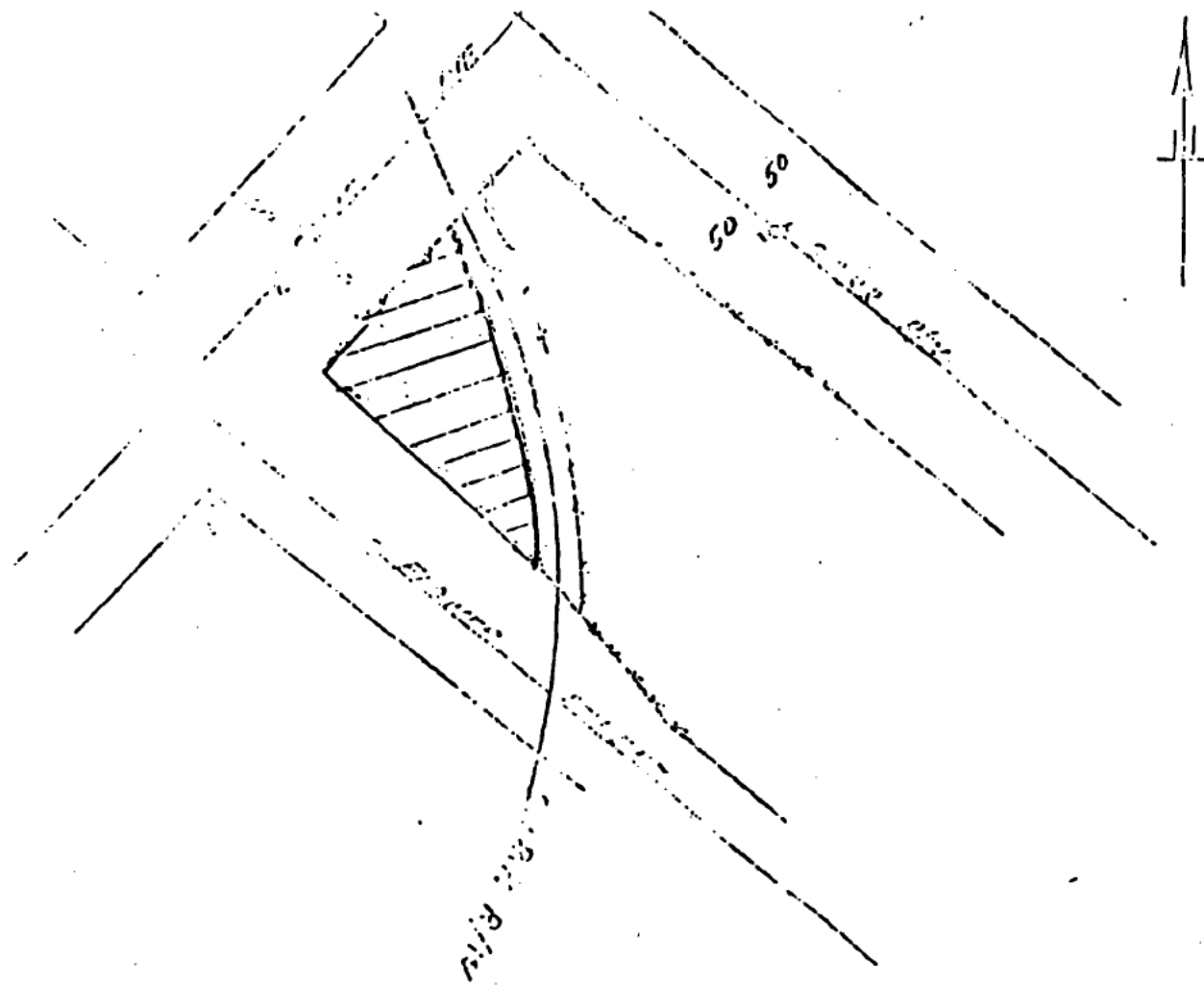
IN WITNESS WHEREOF, the parties hereto have executed this lease as of the day and year first above written.

THE ANDREW JERGENS COMPANY

By: 

SCOTT TRUCKING COMPANY

By: 



| | | |
|----------------------------|-------------|------|
| THE ANDREW JEROME CO. | | |
| BURBANK, CALIFORNIA | | |
| ENGINEERING DEPARTMENT | | |
| <i>Proposed New Bridge</i> | | |
| DATE 1-7-13 | | |
| SCALE 1" = 50' | DATE 1-7-13 | 1725 |

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 4**

- Title Report and Supporting Documents [see document produced in response to Request No. 3]

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 5**

- Title Report and Supporting Documents [see document produced in response to Request No. 3]

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 6**

- Drawing No. 1488-7
[see document produced in
response to Request No. 2]

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 6(a)**

- Drawing No. 1488-7 [see
document produced in
response to Request No. 2]
- Drawing No. 1804-C
- Listing of Building
Construction Dates

**PARTIALLY SCANNED
OVERSIZE ITEM(S)**

See document # 2203047
for partially scanned image(s).

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

The Andrew Jergens Company
Burbank Plant

Building Construction Dates

| Bldg No. | Year Built |
|----------|------------|
| 1 | 1920 |
| 2 | 1920 |
| 3 | 1925 |
| 4 | 1920 |
| 5 | 1920 |
| 6 | 1920 |
| 7 | 1920 |
| 8 | 1920 |
| 9 | 1920 |
| 10 | 1935-42 |
| 11 | 1937-41 |
| 12 | 1948 |
| 13 | 1961 |
| 14 | 1961 |
| 16 | 1955 |
| 17 | 1982 |

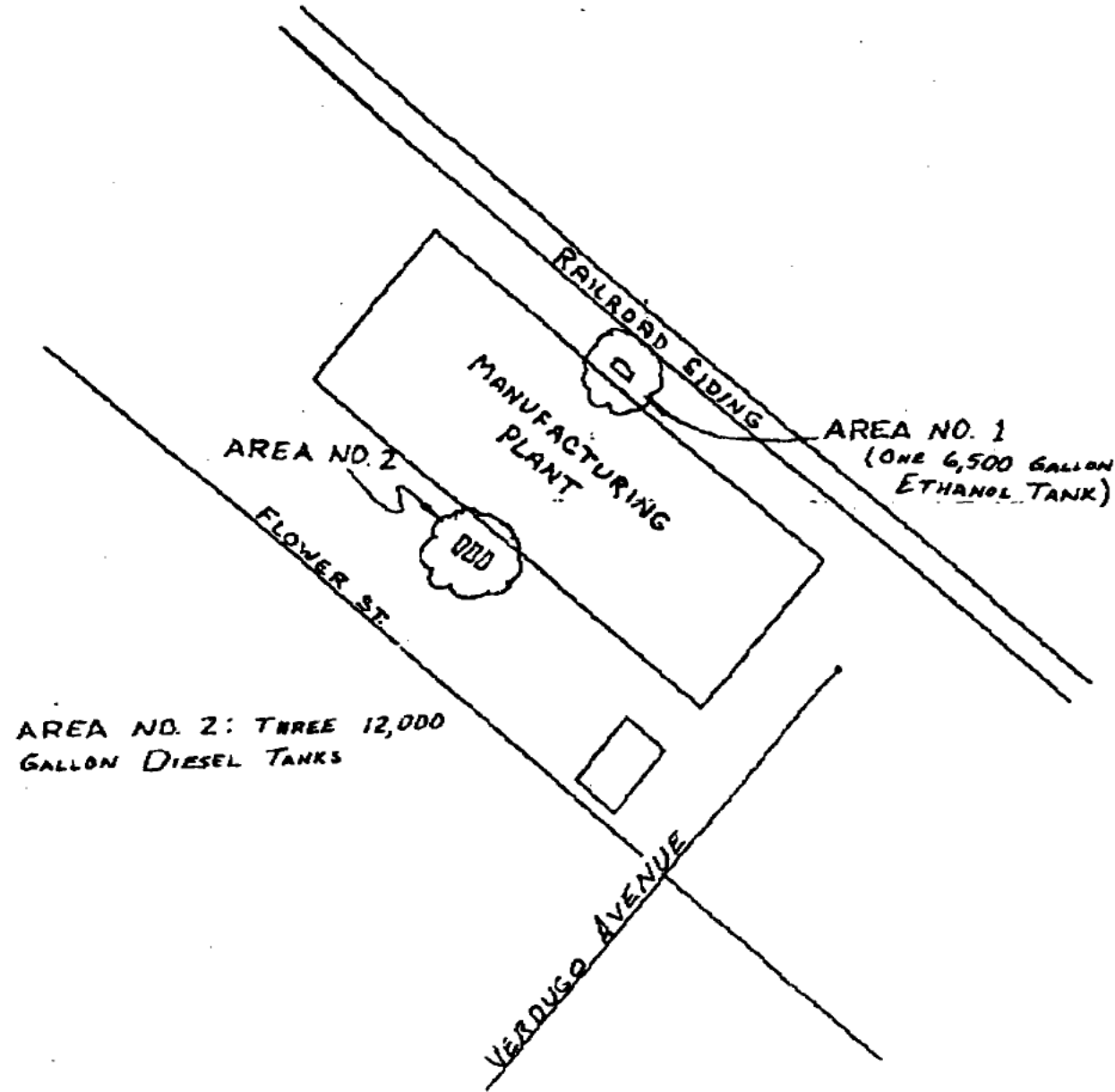
Note: Bldg 15 construction date is not recorded.

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 6(b)**

- Vicinity Map
- Drawing No. 1814-B
- Drawing No. 1825-C
- Drawing No. 1826-B
- Drawing No. 1852-A

VICINITY MAP



No Scale

THE ANDREW JERGENS CO.
99 W. VERDUGO AVE
BURBANK CALIF

MAY 17 1991 06:57 AM FBI

DOCUMENT RESPONSE TO REQUEST NO. 6(6)

019010

**PARTIALLY SCANNED
OVERSIZE ITEM(S)**

See document # 2203047
for partially scanned image(s).

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center at
(415) 536-2000

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 6(c)**

- March 1991 Report of Well
Investigation Program by
Active Leak Testing [see
documents produced in
response to Request No. 7]

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 6(d)**

- Drawing Nos. 1814-B, 1825-C,
1826-B, 1852-A [see documents
produced in response to
Request No. 6(b)]

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 7**

- 3/91 Report of Well Investigation Program by Active Leak Testing
- 10/9/87 Study by ESTI Engineering
- 9/88 Study by William H. Park, Geologist
- 3/89 Study by Active Leak Testing
- 1/30/91 Study by South Coast Air Quality Management District

**REPORT OF WELL INVESTIGATION PROGRAM
SUBSURFACE INVESTIGATION**

**Andrew Jergens Company
99 W. Verdugo Avenue
Burbank, California 91502**

3/91.

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1.0 EXECUTIVE SUMMARY

In response to a request by the California Regional Water Quality Control Board (CRWQCB) to perform further site assessment as part of a regional Well Investigation Program, Andrew Jergens Company retained Active Leak Testing, Inc. (ALT) to conduct exploratory soil borings to extract and analyze soil samples in five (5) areas of the Andrew Jergens facility (see Plate 1.2). The subject property is located at 99 W. Verdugo Avenue in Burbank, California (see Plate 1.1). The principal activity at the site is the commercial production of cosmetic products. The CRWQCB is the lead regulatory agency (File No.109.0104).

The areas identified by the CRWQCB and subsequently investigated by ALT as potential sources of subsurface contamination included an industrial waste clarifier, an old boiler sump, an above-ground fuel drum, above-ground transformers, and an above-ground tank farm.

The preliminary phases of the aforementioned investigation, which were completed in February, 1991 indicated the presence of elevated concentrations of hydrocarbons in the near surface soils in the area of the above-ground tank farm. Substantially lower levels of hydrocarbon were apparent in the surface soils near the gas drum and transformers. Indications of benzene were detected at the base of the clarifier.

Previous site assessments at the subject location confirmed ethanol contamination in a separate area of the facility. This contamination is associated with an old ethanol underground storage tank (UST) that has since been removed (See Plate 1.3).

Please note that the executive summary is subject to the limitations stated in this report.

2.0 PROJECT HISTORY

Described below is a synopsis of site assessment and UST compliance performed prior to this investigation on the subject site.

The Andrew Jergens Company, in accordance with the Los Angeles County Department of Public Works (LACDPW) guidelines, proposed a Leak Detection Program/Tank Monitoring Program (LDP/TMP) prepared by ESTI Engineering. This document was submitted to the LACDPW on November 30, 1987. The LDP/TMP designated a single underground ethanol tank as Area 1 and the three diesel USTs as Area 2 at the subject location (see Plate 1.4).

2.1 AREA 1 PRELIMINARY SITE ASSESSMENT

In 1987 the USTs at the subject facility were integrity tested by ESTI of Bakersfield, California, and the results forwarded to the LACDPW by letter dated September 4, 1987. During March of 1988, ESTI performed a Phase I Environmental Investigation (ESTI Project # I-11586-3E) of the subject property. The report, "Phase I Environmental Investigation", dated July 15, 1988 identified the soils in the area of the ethanol tank (Area 1) as potentially contaminated.

Authorization to proceed with the LDP/TMP was granted in a letter from the LACDPW dated December 14, 1987.

The initial leak detection investigation was conducted in March, 1988, following the procedures and protocol established in the LDP/TMP.

Two exploratory borings were drilled in Area 1 adjacent to the ethanol tank. Based upon the results of the investigation, it was believed that significant ethanol contamination existed in the subsurface soil in Area 1. An unauthorized release report was prepared and submitted to the LACDPW. A report, dated July 15, 1988, detailing the investigation was prepared by William H. Park and Associates (WHPA) of Bakersfield, California. The report was submitted to the LACDPW by ESTI.

In August, of 1988 a leak detection investigation was conducted by ESTI in Area 1 in an attempt to assess the extent of contamination found in the initial investigation and to install additional monitoring wells. For this purpose, three additional exploratory borings were drilled. Based upon the results of the investigation, it was confirmed that high levels of ethanol contamination exist in subsurface soils in Area 1. The vertical and horizontal extent of the contamination, however, appeared to be rather limited. A report dated September, 1988 detailing the investigation, was prepared by WHPA and submitted to the LACDPW by ESTI.

In January, 1989 a leak detection investigation was conducted in Area 1, by ALT using the EarthProbe System. Based upon the results of the investigation, it was concluded that the ethanol contaminant was found mainly in the tank backfill with some evidence of migration into native soil. A report, dated March, 1989, detailing the investigation, was prepared by ALT. The report was submitted to the LACDPW by ALT.

In May of 1989 an areal leak detection investigation was conducted by ALT using the EarthProbe System. Based upon the results of the investigation, it was concluded that the ethanol tank/piping has continued to leak and the contaminant has spread in both vertical and horizontal directions. A report dated July, 1989, detailing the investigation, was prepared by ALT.

2.2 AREA 2 PRELIMINARY SITE ASSESSMENT

Six exploratory borings were drilled in Area 2 adjacent to the diesel tanks and associated piping. Based upon the results of the investigation, it was believed that no significant contamination existed in the soil around Area 2 and no mitigation measures were deemed necessary. The six borings were subsequently completed as monitoring wells and monitoring equipment as prescribed in the LDP/TMP was installed. A report dated July 26, 1988 detailing the investigation was prepared by WHPA and submitted to the LACDPW by ESTI.

2.3 UNDERGROUND ETHANOL TANK RELOCATION

In September, 1990, the underground ethanol tank in Area 1 was removed and a new underground tank was installed at another location (See plate 1.3). As directed by the Burbank Fire Department, soil samples were taken under the old tank cast and analyzed for ethanol. (These laboratory results are included in Appendix C.) During the tank removal, approximately 60 cubic yards of ethanol contaminated soil were excavated, manifested and transported to BKK land fill in W. Covina, California as non-hazardous waste. A copy of the manifest is included as Appendix D.

3.0 SCOPE OF WORK

This report presents the findings and conclusions for the Well Investigation Program Subsurface Investigation.

3.1 WELL INVESTIGATION PROGRAM SUBSURFACE INVESTIGATION

Based upon a site inspection by personnel of the CRWQCB, a letter from this agency dated February 12, 1991 (contained in Appendix E) identified the Andrew Jergens facility as a potential contributor of contamination to regional drinking water wells and required subsurface soil assessment in six (6) areas of interest (File No. 104.1681). ALT prepared and submitted a workplan for further site assessment to address these areas, and the plan dated November, 1990 was submitted to the CRWQCB. The plan was approved by the CRWQCB in a letter dated December 19, 1990. The old underground ethanol tank (Area 1) was not included in this specific investigation.

4.0 FIELD INVESTIGATION

The following describes the on-site field work performed by ALT for the Well Investigation Program.

4.1 EXPLORATORY BORINGS AND SOIL SAMPLE COLLECTION

On January 22, 1991 drilling operations began with the advancement of exploratory soil borings with a truck-mounted drill rig equipped with 8" diameter hollow stem augers. These exploratory borings were advanced on the subject property at the boring locations shown on Plate 1.2. The borings were advanced to maximum depths ranging from ten (10) to twenty (20) feet below the existing ground surface. Soil cuttings were contained in Department of Transportation (DOT) 17H drums that remain onsite awaiting disposal. The borings were described and logged by a California Registered Geologist from ALT who monitored an attempt to collect soil samples at intervals prescribed in the Workplan for Further Site Assessment dated November, 1990 and a directive from the CRWQCB dated December 19, 1990. (See Appendix E.). All borings were backfilled with bentonite slurry and capped with approximately three (3) feet of concrete. Soil sampling protocols are presented in Appendix B.

5.0 LABORATORY ANALYSES OF SOIL SAMPLES

Soil samples collected and the respective analytical testing methods required for the Well Investigation Program are listed below.

5.1 SOIL SAMPLES RETRIEVED FROM EXPLORATORY BORINGS

During assessment activities a total of 25 soil samples were collected from borings and submitted for analysis to state-certified National Environmental Testing, Inc. (NET) of Burbank, California. Selected samples were analyzed for total recoverable petroleum hydrocarbons (TRPH) by Environmental Protection Agency (EPA) Method 418.1. They were also analyzed for benzene, toluene, xylenes, and ethylbenzene (BTXE) by EPA Modified Method 8020; for organochlorine pesticides and polychlorinated biphenyls (PCBs) by EPA Method 8080; and for purgeable halocarbons by EPA Method 8010.

5.2 SOIL SAMPLES COLLECTED FROM ETHANOL TANK CAST

Subsequent to the removal of the ethanol tank in Area 1, soil samples were collected at each end of the former tank location by a California Registered Geologist approximately two (2) feet below the tank cast. These two samples were analyzed for ethanol using EPA Method 8015-modified by Calscience Testing (certificate # 1230), a subcontractor of Diversified Analytical Laboratories.

6.0 FINDINGS

Based upon the work performed to date, the findings for the Well Investigation Program Subsurface Investigation are presented in this section.

6.1 LOCAL GEOLOGIC CONDITIONS

In general, an alternating sequence of up to six (6) different soil types were encountered during our subsurface investigation at the site. The upper unit, observed at surface grade in boring G-1 and beneath six (6) inches \pm of concrete pavement in borings C-1, C-2, and T-1; and three (3) to four (4) inches \pm of asphalt pavement in borings S-1 and P-1, respectively, appeared to be a fill material comprised mainly of loose to medium dense, moist, brown, fine grained sand with some silt and medium to coarse sand. In boring C-2 additional constituents such as gravel, asphalt chunks, and asphaltic coated cobbles, were noted. In borings C-2, P-1, and S-1, our drilling encountered a planar concrete surface of unknown origin at a depth of approximately one (1) foot below surface grade. Following a building plan check with the client's representative, it was assumed that this structure was probably a former driveway slab and drilling operations continued. Following penetration, it was estimated that this concrete slab was three (3) to four (4) inches \pm thick. Immediately below this level, the predominate soils encountered consisted primarily of loose to medium dense, moist, brown to dark brown silts and silty fine sands with some clay, medium to coarse sand, and gravel. In addition, minor amounts of asphalt chunks were observed in boring G-1 at a depth range of four (4) to eight (8) feet \pm . These materials are underlain with sequences of similar materials interlayered with lesser amounts of soils comprised mainly of medium dense to dense, moist, brown to gray-brown, fine to medium and medium to coarse sands with some gravel; moderately hard, moist to wet, dark brown to grayish-brown silty clay; and gravel zones ($\frac{1}{4}$ " to 3" diameter clasts) with matrices of most of the finer grained soil constituents described above. Refer to boring logs Appendix A for more detail.

6.2 LOCAL HYDROGEOLOGIC CONDITIONS

Well #3872H, (shown in Plate 1.1, 546.5 feet MSL) located approximately $\frac{1}{4}$ mile to the southwest, was last measured December 12, 1990 (Dor Herrera, L.A. County DPW Hydrologic Records, personal communication, 3/5/91) and depth to water was measured at 73.7 fbgs. Groundwater was not encountered during this investigation in the deepest boring, i.e. sampled to 21.5 feet below ground surface (fbgs).

6.3 EXTENT OF HYDROCARBON CONTAMINATION IN SOIL SAMPLES FROM EXPLORATORY BORINGS

A significant amount of TRPH contamination (i.e., 498 mg/kg) was detected in the soil sample collected from boring T-1 at one (1) fbgs, whereas relatively low levels (i.e., up to 2.7 ug/kg, and 3.3 mg/kg of TRPH were detected at fifteen (15) fbgs and five (5) bgs in borings G-1 and P-1, respectively. In addition, twelve (12) ug/kg benzene was detected in the eighteen (18) fbgs soil sample from boring C-2. No other contamination was detected in the soil samples retrieved from the other exploratory borings. Analytical data for these soil analyses are summarized in Table 1.1 and copies of the original laboratory reports are presented in Appendix C with the corresponding chain-of-custody records.

7.0 CONCLUSIONS

The following conclusions are based on the data collected during this assessment and are subject to the limitations stated in this report. These conclusions may change if additional information becomes available.

As indicated in our initial subsurface exploratory work and generally confirmed in subsequent explorations on the site, the most significant contamination appears to be localized in Area 1, where the old ethanol tank was located. Hydrocarbon contamination, as indicated by laboratory reports of concentrations up to 498 mg/kg TRPH, appears to be associated predominantly with ground surface spillage or imported fill. There also appears to be a relative low level of benzene associated with the clarifier.

8.0 RECOMMENDATIONS

Alt recommends further that no further action be taken until the contents of this report have been reviewed and discussed with the appropriate regulatory agencies.

9.0 LIMITATIONS

The results contained in this report are based upon the information acquired during the various phases of our site assessment. It is possible that variations in the subsurface conditions could exist beyond points explored during the course of the assessment. It should be recognized that definition and evaluation of geologic conditions are difficult, and an inexact art. Judgements leading to conclusions are often made with an incomplete knowledge of all of the existing subsurface conditions. Changes in existing conditions could occur at some time in the future due to variations in rainfall, temperature, and other factors not apparent at the same time of the field investigation. This assessment was performed in accordance with the general standard of practice exercised by other consultants working under similar conditions in Southern California at the time of the investigation. No warranty, express or implied is made.

10.0 SIGNATURES

REPORT OF WELL INVESTIGATION PROGRAM SUBSURFACE INVESTIGATION

The soil sampling, geological boring logs, and QA/QC for this project were implemented by formally educated and trained geologic personnel according to environmental engineering protocols generated by ALT. This report was reviewed by the undersigned.

Project Number: 345

Prepared by: Active Leak Testing, Inc.



Richard W. Pilat
Project Engineer



Lawrence L. Neuvirth
Registered Geologist
State of California No. 4877

SOIL SAMPLING INTERVALS

1. Samples will normally be recovered at five foot intervals from 5 feet below grade to 20 feet below grade. From 20 feet below grade through to total drilled depth, samples will generally be collected at 10 foot intervals and at the termination of the boring. For example for a boring advanced to 55 feet, soil samples will be called to the maximum extent practical, from intervals at 5, 10, 15, 20, 30, 40, 50 and 55 feet below grade.
2. Soil samples will be collected for chemical analysis generally from at least one exploratory or assessment boring near underground storage tank and dispenser areas to at least 40 feet below grade where soil contamination does not dictate further sample collection. Sample beneath product pipe lines will generally be collected to depths of at least 20 feet below grade where soil contamination does not dictate further sample collection.
3. The soil sampling intervals may be varied to include additional intervals based a) on the field engineer's or geologist's observations of a significant change or changes in lithology, or b) if contamination or groundwater is encountered.
4. Where groundwater is encountered, sample collection will be attempted to the extent practical near the top of water and 5 foot intervals thereafter to the tenuous of the boring.

FIELD SCREENING OF SAMPLES

1. As the boreholes are being drilled and as samples are being obtained, a volatile organic analyzer (OVA) will be used to detect 1) the presence of volatile organics and 2) if there are changes in concentration of volatiles emanating from the borehole. Sample selection for laboratory analysis (and for compositing where permitted) may be based in part on the vapor concentration readings and/or regulatory requirements, so the field screening of samples will be based on an instrument that is working correctly or properly calibrated.
2. The OVA will be calibrated according to the manufacturer's specifications prior to field use. The field engineer or geologist will be responsible 1) for observing that the instrument has been calibrated by the manufacturer as intervals specified by the manufacturer, 2) the instrument is calibrated daily prior to field use, 3) a calibrating appropriate and relevant to the regulator and investigation has been used and 4) that there is an adequate supply of calibration gas on hand at the site prior to and during the investigation. At least one OVA will be calibrated with hexane to comply with SCAQMD rules and regulations. To the extent practical, the uppermost 6 inch soil (core) sample recovered at each sampling interval will be extruded in the field and placed in a glass jar, Whirl-Pak or equivalent plastic bag for the field screening of OVA's.
3. When utilized for screening purposed, the glass jar will be sealed with aluminum foil and fitted with an air tight lid. If plastic bags are used, they will be sealed tight.
4. The soil sample will then be exposed to the direct sunlight for ten minutes or longer. The lid will be removed and the aluminum foil punctured or the plastic bag will be puncture or opened and the OVA probe will be inserted into the headspace. The jar or bag sample will then be screened for indications of possible soil contamination.
5. OVA readings will be taken for each recovered sample and the values at the time the sample was collected will be recorded on the boring log for the appropriate depth. The background concentrations at the site and time will also be recorded on the boring log 1) prior to any daily activity, 2) at the conclusion of that daily activity and 3) every time a new supply of calibration gas is required for field use. Based on the need to target compound of concern not detected by the field OVA, such as EPA Method 8010 compounds, additional direct reading detector (i.e. draeger or SKC type tables) or different calibration gasses may also be utilized.

SAMPLING EQUIPMENT DECONTAMINATION PROCEDURES

1. Proper decontamination of sampling equipment and drilling equipment coming in contact with the sampling equipment is essential to prevent cross contamination of samples from the sampling device or drilling equipment.
2. All sampling equipment will be decontaminated before sampling. The sample tubes and sampling equipment will be 1) cleaned with a brush, Tri-Sodium Phosphate (TSP) and tap water wash, 2) rinsed thoroughly with fresh tap water and 3) final rinsed with distilled water and air dried before delivery to the site. Alternatively, this equipment will be washed and dried onsite using these methods before any field use.
3. When the sampler is recovered from each sample interval it will be disassembled in a clean working area to avoid cross contamination. Care will be taken to avoid or minimize contamination of both the inside and outside of the cylinder and its contents.
4. The sampler will be washed onsite with a TSP solution, rinsed with clean tap water and final rinsed with distilled water before the next interval sampling.
5. The sampler will then be re-assembled in a clean working area to avoid contamination. Steps to minimize surface contamination will be implemented including covering the surface of the working area with plastic.
6. The augers will also be steam cleaned before delivery to the site and between onsite borings. Water used for steam cleaning will be obtained from the local water supply or clean water supplied by the driller. Alternately, a separate set of precleaned augers may be used for each boring.
7. Any other drilling equipment that may contact the sample will be visually inspected for hydraulic fluid leaks or other malfunctions. If the equipment fails the inspection, it will be repaired and/or steam cleaned as appropriate.

BORINGS

1. Field work will be conducted under the direction of a State of California registered professional (R.G., C.E.G., or R.C.E.) and who is experienced in the use of the Unified Soil Classification System under most circumstances, a field engineer or geologist, under the direction of one of these State of California registered professionals, will supervise the actual drilling activities and procedures to insure that the field work is conducted in an environmentally sound and regulatory correct manner and that no unnecessary risks are taken during these activities.
2. The Health and Safety Officer (H&SO) or his designee will have the authority to insure that proper safety equipment is worn at all times while drilling when within the safety zone and to insure that all field personnel conduct field activities in a safe manner that follows the site safety plan. The H&SO will be responsible that the safety equipment is maintained in good working order and calibrated daily and as specified, by the manufacturer and as required by any applicable regulation.
3. Soil borings will be advanced by a method that minimizes introduction of foreign fluids while maintaining borehole stability. For unconsolidated formations, the preferred method will be hollow stem auger. This method will be implemented to the maximum extent possible in most drilling programs.
4. Mud rotary or air rotary will be the preferred method for consolidated formations. If a method which introduces drilling fluid into the formation is required the sample of the fluid will be retained. The amount of fluid forming introduced to the formation will be recorded on the field log.
5. Should a subsurface obstacle be encountered, the boring will be halted, the auger drill pipe will be removed and the soil will be probed for indication of piping or tanks etc. If the nature of the object is undeterminable, the hole will be abandoned. The boring will then be relocated nearby and redrilled as required.
6. The field engineer or geologist will maintain a boring log to document descriptions of the lithology penetrated by the boring. Changed in lithology will be noted and soil types described utilizing the Unified Soil Classification System (USCS). Attached is a boring log which will be used during the field program.
7. Soil sampling will be conducted following specific protocol for the project.
8. When soil contamination is encountered the boring will under most circumstances continue to a depth not less than 10 feet beyond the last detected contamination. The boring will generally terminate approximately 20 feet beyond the last indication of contamination. A soil boring may be discontinued if 1) groundwater is expected to be encountered at shallower depths based on onsite well data or well data from reasonably nearby wells and 2) if a groundwater monitoring well is not beneficial to the objective of the investigation or within the agreed on scope of work or contingencies by the client.
9. When groundwater is unexpectedly encountered, the boring will be discontinued unless the boring has been designed as or can be usefully converted to a groundwater monitoring well or groundwater extraction (remediation) well.
10. Where the boring can be usefully converted as a monitoring well, the design installation will be performed based on good environmental engineering practice and based on regulatory driven practices. Drilling in a saturated section beyond 5 feet into a tight clay layer will be discontinued under normal circumstances. Where drilling is

discontinued under these circumstances the hole will be plugged back to surface with bentonite and/or bentonite grout. Where drilling is continued under these circumstances, the well design will provide adequate protection from potential cross contamination. The design will be approved by a registered professional prior to implementation.

EPA ANALYTICAL TEST RESULTS

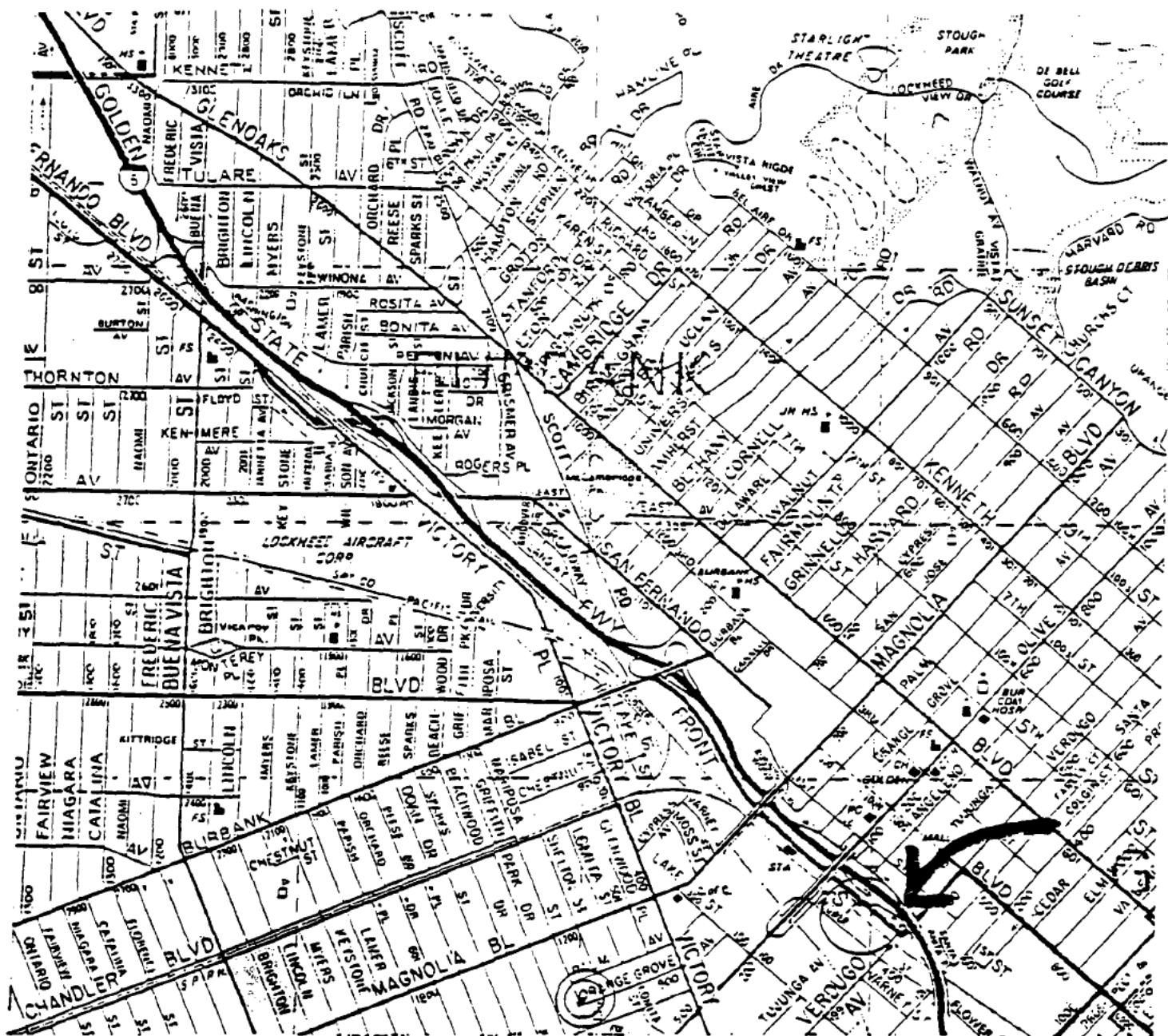
Andrew Jergens Facility

| Boring Locations | 8080 | M8015-Diesel | 8010 / 8020 | 418.1 |
|------------------|------|--------------|---------------------------|-----------------------------|
| Tank Farm | NR | NR | ND | 498 mg/kg TRPH @1 fbgs |
| Boiler Sump | ND | NR | ND | ND |
| Clarifier-1 | NR | NR | ND | ND |
| Clarifier-2 | NR | NR | 12 ug/kg Benzene @18 fbgs | ND |
| Transformers | ND | ND | ND | 0-3.3 mg/kg TRPH @2-20 fbgs |
| Gas Drum | NR | ND | ND | 0-2.7 mg/kg TRPH @1-15 fbgs |

ND = Not Detected at the
Reporting Limit
NR = Test Not Required


fbgs = feet below ground surface
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram

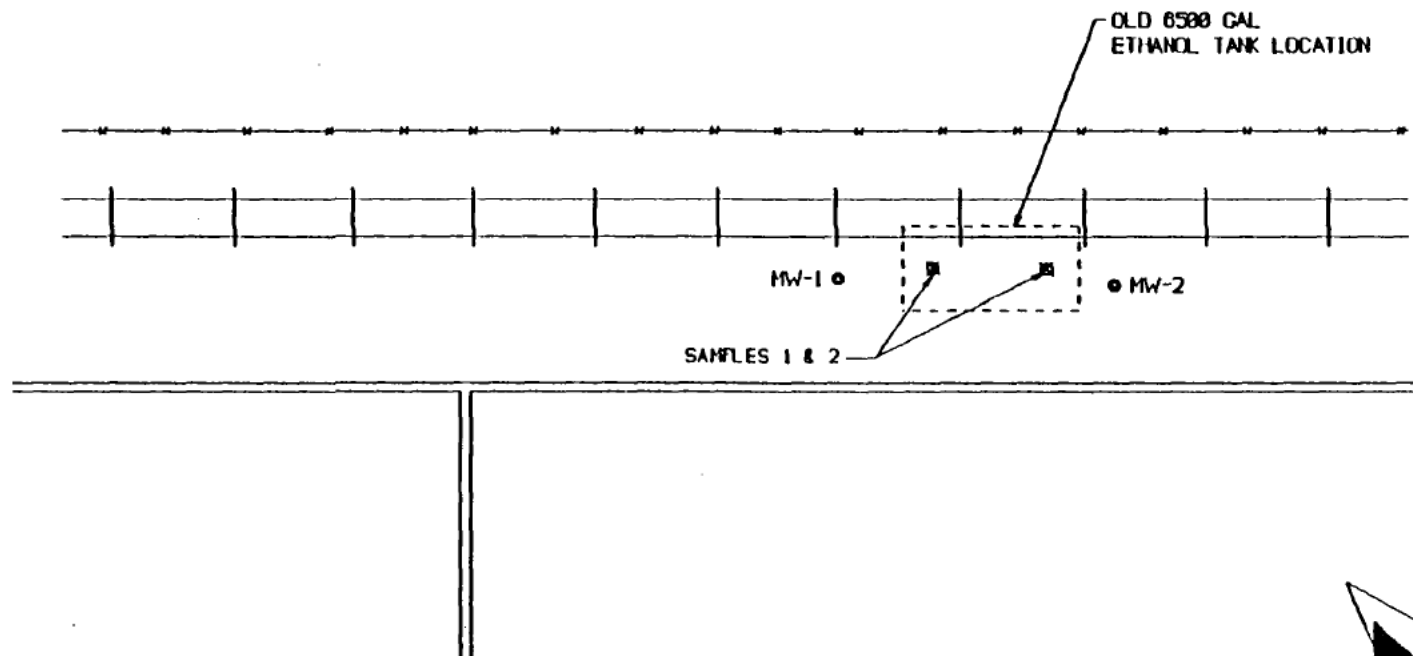
PLATES



Water Well #3872H

Plate 1.1

| | |
|--|---|
|  | ACTIVE LEAK TESTING NO. _____ DATE: _____ |
| | 180 SOUTH BEACH ST., SUITE 200 SAN PEDRO, CALIFORNIA 90731 |
| PAGE: _____ | |
| CUSTOMER: The Andrew Jergens Company | |
| 99 W. Verdugo Ave., Burbank | |

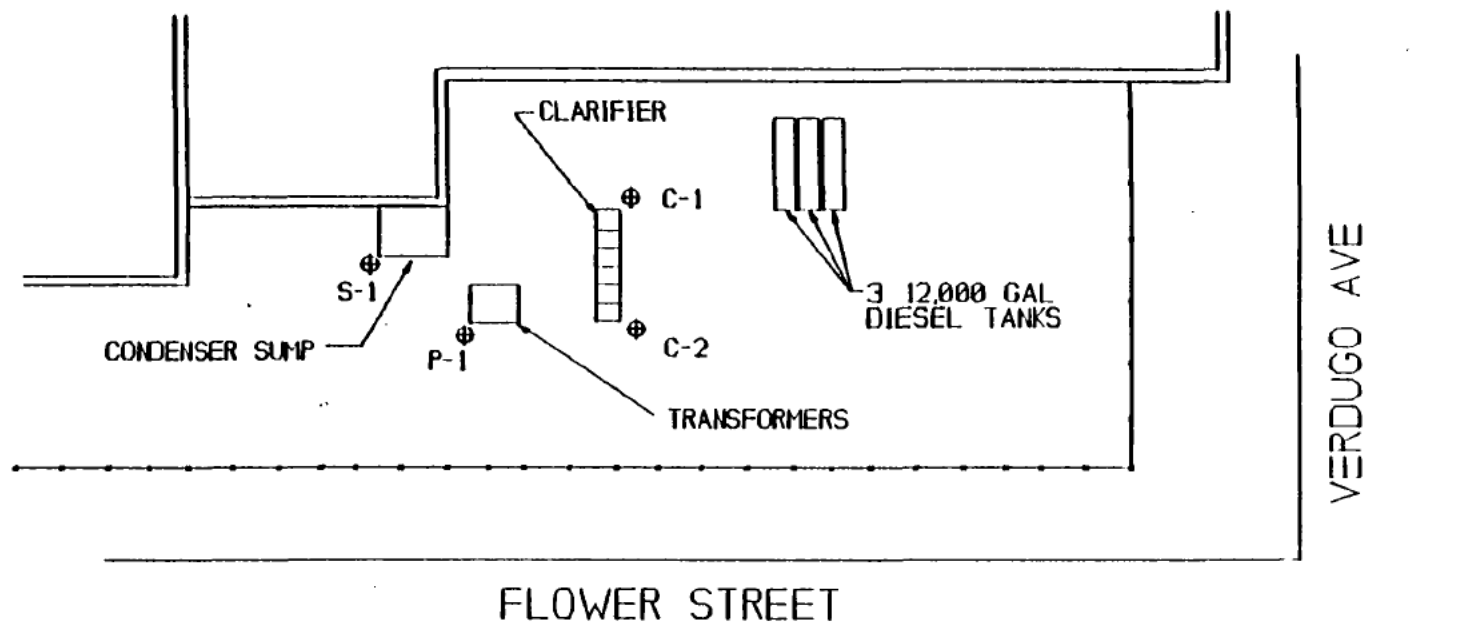


SCALE

0 20 40
FEET

ACTIVE LEAK TESTING

| | | |
|--|-------------|-------------------------|
| SCALE | APPROVED BY | DRAWN BY: SAW |
| DATE 2-13-91 | | REVISED |
| ANDREW JERGENS CO. | | |
| 99 WEST VERDUGO AVE, BURBANK, CA 91502 | | |
| DETAIL 1 | | DRAWING NUMBER 274-2 |



SCALE

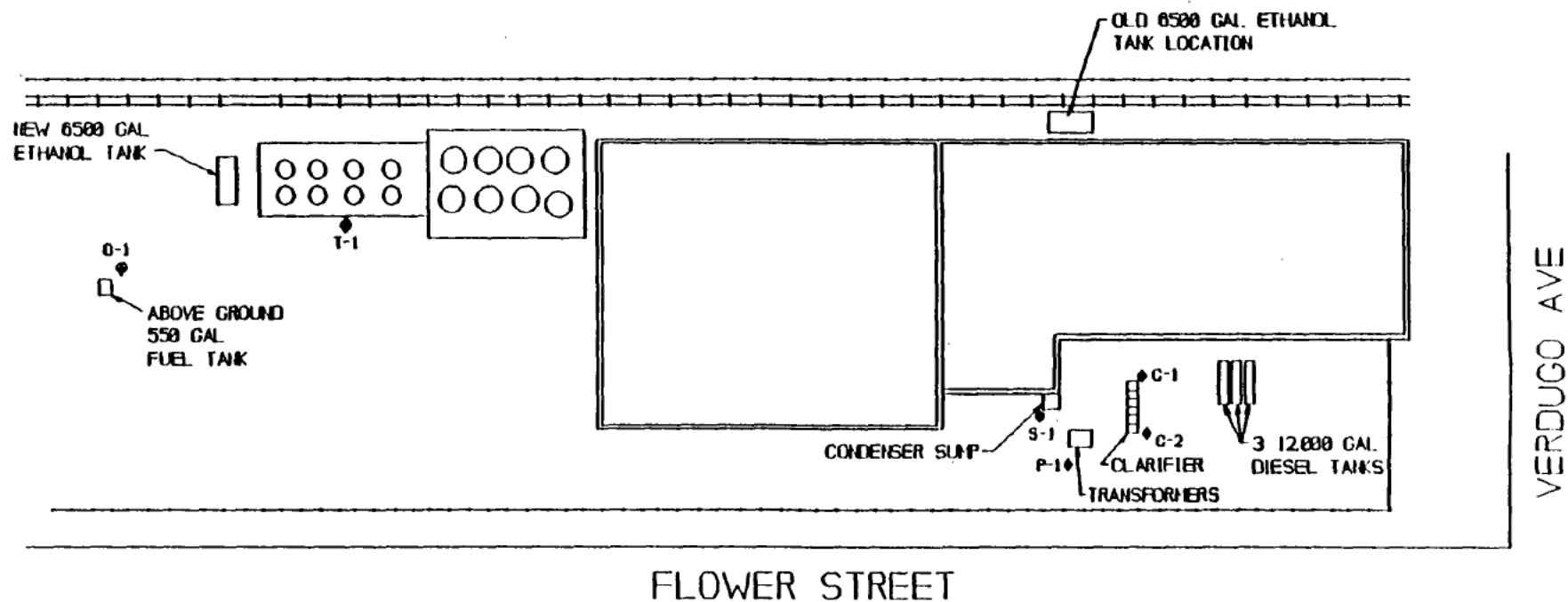
0 100
FEET

LEGEND

- ⊕ - APPROXIMATE LOCATION OF EXPLORATORY SOIL BORING
- - APPROXIMATE PROPERTY BOUNDARY

ACTIVE LEAK TESTING

| | | |
|--|-------------|--------------|
| SCALE | APPROVED BY | DRAWN BY SAW |
| DATE 2-13-91 | | REVISED |
| ANDREW JERGENS CO. | | |
| 99 WEST VERDUGO AVE, BURBANK, CA 91502 | | |
| DETAIL 2 | | 274-3 |



SCALE

0 100 200
FEET

LEGEND

- ⬢ - APPROXIMATE LOCATION OF EXPLORATORY SOIL BORING
- L - APPROXIMATE PROPERTY BOUNDARY

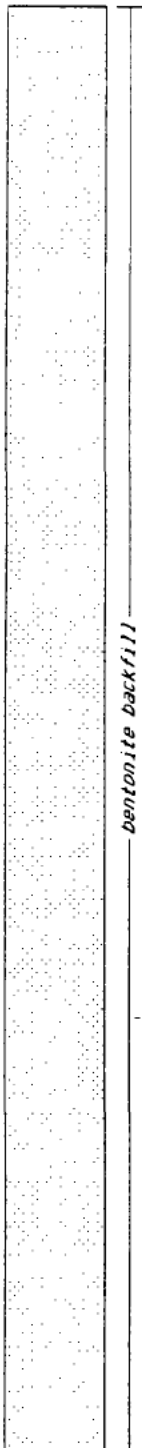
ACTIVE LEAK TESTING


| | | |
|--|-------------|-----------------|
| SCALE | APPROVED BY | DRAWN BY: SAW |
| DATE 2-13-91 | | REVISED |
| ANDREW JERGENS CO. | | |
| 99 WEST VERDUGO AVE, BURBANK, CA 91502 | | |
| PLOT PLAN | | DRAWN BY: 274-1 |

APPENDIX A
BORING LOGS

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING P-1 | | FIELD / LAB | | LABORATORY | | | | |
|--|--------------|----------|------------|--------------|------------------|---|-----------|-------------|------------|--------------------|----------|------------|----|--|
| | | | | | | SOIL DESCRIPTION | SAMPLE ID | PID / FID | BIOLOGICAL | CHEMICAL | PHYSICAL | METALLURGY | | |
| | | | | | | | | | | | | | | |
| | 0 | | | | | ASPHALT PAVEMENT - 4" THICK | | | | | | | | |
| | 1 | | | | SM | SILTY SAND - FINE GRAINED. SOME MEDIUM TO COARSE SAND. LOOSE, MOIST, BROWN. NO PRODUCT ODOR. | | | | | | | | |
| | | | | | | CONCRETE SLAB - 4" THICK | | | | | | | | |
| | 2 | | | | ML | SILT - MINOR CLAY BINDER. LOOSE, DARK BROWN, MOIST. MICACEOUS, NO PRODUCT ODOR. | P1-2 | | | | NO | NO | NO | |
| | 3 | | | | SP | SAND - FINE/MEDIUM GRAINED. SOME SILT AND COARSE SAND. MEDIUM DENSE, MOIST, BROWN. NO PRODUCT ODOR. | | | | | | | | |
| | 4 | | | | SP | SAND - MEDIUM/COARSE GRAINED. SOME FINE SAND AND GRAVEL (1/4" TO 1/2"). MEDIUM DENSE, MOIST, BROWN, NO PRODUCT ODOR. | | | | | | | | |
| | | | | | ML | SILT - MINOR CLAY BINDER, FINE/COARSE SAND, 1/4" TO 2" GRAVEL, MEDIUM DENSE, MOIST, DARK BROWN, NO PRODUCT ODOR. | | | | | | | | |
| SURFACE ELEVATION: _____ TOTAL DRILL DEPTH: 20 ft. FINAL SAMPLE DEPTH: 1.5 ft. TOTAL DEPTH: 21.5 ft. TYPE OF SAMPLER: 3 O.D. MODIFIED PORTER SAMPLER | | | | | | DATE DRILLED: 1-22-91 LOGGED BY: LAWRENCE L. NEUVIRTH SUPERVISED BY: LAWRENCE L. NEUVIRTH DIAMETER OF BORING: 6 in. WATER ENCOUNTERED AT: NOT ENCOUNTERED | | | | | | | | |
| ACTIVE LEAK TESTING, INC. 1300 SOUTH BEACON ST., SUITE #120 SAN PEDRO, CA 90731 | | | | | | CLIENT: ANDREW JERGENS 99 WEST VERUGO AVE BILBAO, CA | | | | Page 1 of 4 in log | | | | |

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING | | SAMPLE ID | FIELD LABORATORY | | | | |
|---|--------------|----------|------------|--------------|------------------|--|--|-----------|------------------|----------|-------------|---------|-------|
| | | | | | | SOIL DESCRIPTION | | | PID / PID | MOISTURE | UNSATURATED | GRAVITY | WATER |
| <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> bentonite backfill </div> | 4.0 | | | | | SIL - MINOR CLAY BINDER, FINE/COARSE SAND, 1/4" TO 2" GRAVEL, MEDIUM DENSE, MOIST, DARK BROWN, NO PRODUCT ODOR. | | P1-5 | | NO | 1.3 | NO | |
| | 5.0 | | | ML | | | | | | | | | |
| | 6.0 | | | | | SAND - MEDIUM/COARSE GRAINED, SOME 1/4" TO 2 1/2" GRAVEL, MINOR FINE SAND, MEDIUM DENSE, MOIST, DARK BROWN TO GRAY BROWN, NO PRODUCT ODOR. | | | | | | | |
| | 7.0 | | | SP | | | | | | | | | |
| | 8.0 | | | | | | | | | | | | |
| | 9.0 | | | | | | | | | | | | |
| | 10.0 | | | | | | | P1-10 | | NO | 1.3 | NO | |

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING P-1 | SAMPLE ID | ANALYSES (mg/Kg) ppm | | | | | | | |
|--|--------------|----------|------------|--------------|------------------|--|-----------|----------------------|-----------|------------|------|------------|----------------|----|----|
| | | | | | | | | FIELD | | LABORATORY | | | | | |
| | | | | | | | | PID / FID | B020 BTEX | D015/LUFT | B080 | 418.1 TRPH | B010/B020 COMB | | |
|  | 40.125 | | | | | | | | | | | | | | |
| | | | 8 | | SP | | | | | | | | | | |
| | 41.125 | | 16 | | | | | | | | | | | | |
| | | | | | | SILT - MINOR FINE/COARSE SAND, SOME 1/4" TO 1" GRAVEL, MEDIUM DENSE, MOIST, BROWN, NO PRODUCT ODOR. | | | | | | | | | |
| | 42.125 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | 43.125 | | | | ML | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | 44.125 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | 45.125 | | 6 | | | | P1-15 | | | | | | NO | NO | NO |
| | | | 16 | | SP | | | | | | | | | | |

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING P-1 | SAMPLE ID | ANALYSES (mg/Kg) ppm | | | | | |
|--|--------------|------------------------|--------------|------------------|---|-----------|----------------------|-----------|------------|------|-----------|---|
| | | | | | | | FIELD | | LABORATORY | | | |
| | | | | | | | PID / FID | 8020 BTEX | DOHS/LUFT | 8080 | 419 1 TPH | 8010/8020 COMB |
|  bentonite backfill | 15.75 | 20 | SP | SP | SILTY SAND - FINE GRAINED. SOME MEDIUM/COARSE SAND. DENSE, MOIST, DARK BROWN. NO PRODUCT ODOR. | P1-20 | | | | | | |
| | 16.75 | | | | | | | | | | | |
| | 17.75 | | SM | | | | | | | | | |
| | 18.75 | | | | | | | | | | | |
| | 19.75 | 13 | | | | | | | | | | SAND - MEDIUM/VERY COARSE SAND, SOME 1/4' TO 2" GRAVEL. DENSE, DAMP, GRAYISH BROWN. NO PRODUCT ODOR. |
| | 20.75 | 15 | SW | SW | | | | | | | | |
| | | 20 | | | | | | | | | | |
| | | | SP | SP | SILTY SAND - FINE/COARSE GRAINED, CLAY BINDER, DENSE. MOIST, BROWN TO DARK BROWN. NO PRODUCT ODOR. | | | | | | | |


| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING T-1 | | SAMPLE ID | ANALYSES (mg/Kg) com | | | | | | |
|-------------------------------|--------------|----------|------------|--------------|------------------|---|-----------|-----------|----------------------|-----------|------|---------------|----------------|----|--|
| | | | | | | SOIL DESCRIPTION | FIELD | | LABORATORY | | | | | | |
| | | | | | | | PID / FID | | B020 BTEX | D045/LUFT | B080 | 418.1 1,4-DCP | B010/B020 COMB | | |
| | 0 | | | | | CONCRETE DRIVEWAY SLAB (APPROXIMATELY 6" THICK) | | | | | | | | | |
| | 1 | | | | SM | SILTY SAND - FINE GRAINED, SOME MEDIUM/COARSE SAND, MEDIUM DENSE, MOIST, BROWN, NO PRODUCT ODOR. | T1-1 | | | | | | 998 | NO | |
| | 2 | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | |
| | 4 | | | | SM | SILTY SAND - FINE GRAINED, SOME MEDIUM/COARSE SAND AND GRAVEL TO 3" DIAMETER, DENSE, MOIST, BROWN, NO PRODUCT ODOR. | | | | | | | | | |
| | 5 | | 3 | | | | T1-5 | | | | | | NO | NO | |
| | 6 | | 6 | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | |
| | 8 | | | | | SILTY SAND - FINE GRAINED, SOME MEDIUM/COARSE SAND, MINOR CLAY BINDER, MEDIUM DENSE, MOIST, BROWN, NO PRODUCT ODOR. | | | | | | | | | |
| | 9 | | | | SM | | | | | | | | | | |
| | 10 | | 6 | | | | T1-10 | | | | | | NO | NO | |

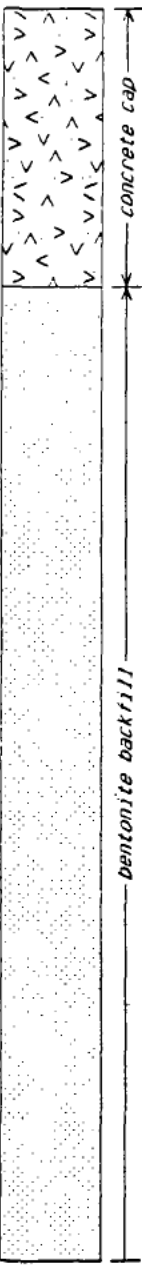
SURFACE ELEVATION: _____
 TOTAL DRILL DEPTH: 10 ft.
 FINAL SAMPLE DEPTH: 1.5 ft.
 TOTAL DEPTH: 11.5 ft.
 TYPE OF SAMPLER: 3 O.D. MODIFIED PORTER SAMPLER

DATE DRILLED: 1-22-91
 LOGGED BY: LAWRENCE L. NEUVIRTH
 SUPERVISED BY: LAWRENCE L. NEUVIRTH
 DIAMETER OF BORING: 6 in.
 WATER ENCOUNTERED AT: NOT ENCOUNTERED

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING C-1 | SAMPLE ID | ANALYSES (mg/Kg) ppm | | | | | | |
|---|--------------|----------|------------|--------------|------------------|--|-----------|----------------------|-----------|------|------------|----------------|----|--|
| | | | | | | FIELD | | LABORATORY | | | | | | |
| | | | | | | PID / FID | | 8020 BTEX | DOHS/LUFT | 8060 | 418.1 TRPH | 8010/8020 COMB | | |
| | | | | | | SOIL DESCRIPTION | | | | | | | | |
| <p>concrete cap</p> <p>dentonite backfill</p> | 0 | | | | | CONCRETE DRIVEWAY SLAB (APPROXIMATELY 6" THICK) | | | | | | | | |
| | 1 | | | SM | | SILTY SAND - FINE GRAINED, SOME MEDIUM/COARSE SAND, LOOSE, MOIST, BROWN, NO PRODUCT ODOOR. | | | | | | | | |
| | 2 | | | | | SILT - SOME FINE/MEDIUM SAND, AND CLAY BINDER, LOOSE, MOIST, DARK BROWN, NO PRODUCT ODOOR. | | | | | | | | |
| | 3 | | | | | | | | | | | | | |
| | 4 | | | ML | | | | | | | | | | |
| | 5 | 4 | | | | | C1-5 | | | | | NO | NO | |
| | 6 | 4 | | | | SAND - MEDIUM/COARSE GRAINED, SOME FINE SAND/SILT, LOOSE, MOIST/WET, BROWN TO DARK BROWN, NO PRODUCT ODOOR. | | | | | | | | |
| | 7 | | | SP | | | | | | | | | | |
| | 8 | 4 | | | | | C1-8 | | | | | NO | NO | |

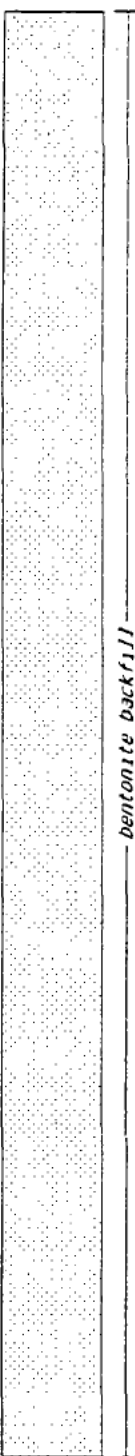
SURFACE ELEVATION: _____ DATE DRILLED: 1-22-91
 TOTAL DRILL DEPTH: 18 ft. LOGGED BY: LAWRENCE L. NEUVIRTH
 FINAL SAMPLE DEPTH: 1.5 ft. SUPERVISED BY: LAWRENCE L. NEUVIRTH
 TOTAL DEPTH: 19.5 ft. DIAMETER OF BORING: 6 in.
 TYPE OF SAMPLER: 3 O.D. MODIFIED PORTER SAMPLER WATER ENCOUNTERED AT: NOT ENCOUNTERED

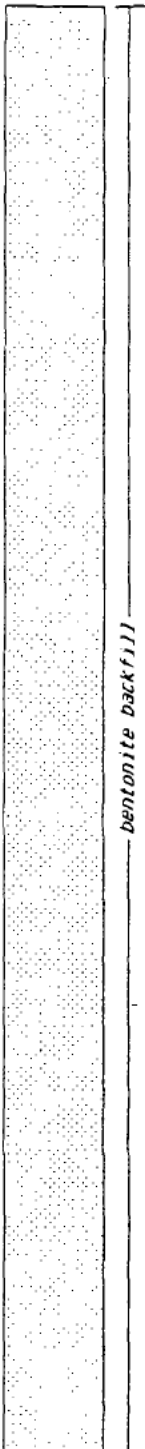
| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING C-1 | SAMPLE ID | ANALYSES (mg/Kg) EDM | | | | | | | |
|---|--------------|----------|------------|--------------|------------------|--|-----------|----------------------|-----------|------|-----------|----------------|----|----|----|
| | | | | | | FIELD | | LABORATORY | | | | | | | |
| | | | | | | PID / FID | | B020 BTEX | D015/LUFT | B080 | A18.1 THW | B010/B020 COMB | | | |
| SOIL DESCRIPTION | | | | | | | | | | | | | | | |
|  <i>bentonite backfill</i> | 7.0-7.99999 | | 4 | | | | C1-8 | | | | | | NO | NO | |
| | 8.0-7.99999 | | 3 | | | | | | | | | | | | |
| | 9.0-7.99999 | | 5 | | | | | | | | | | | | |
| | 10.8 | | | | SP | | | | | | | | | | |
| | 11.8 | | | | | FINE SAND FRACTION INCREASING | | | | | | | | | |
| | 12.8 | | 3 | | | SILT - SOME FINE/COARSE SAND AND CLAY BINDER. LOOSE, MOIST, DARK BROWN, MICACEOUS. NO PRODUCT ODOR. | | | | | | | | | |
| | 13.8 | | 5 | | | | C1-13 | | | | | | | NO | NO |
| | 14.8 | | 8 | | ML | | | | | | | | | | |
| | 15.8 | | | | | CLAYEY SILT - MINOR FINE/ MEDIUM SAND. LOOSE TO MEDIUM DENSE, MOIST, DARK BROWN, NO PRODUCT ODOR. | | | | | | | | | |
| | 16.8 | | | | ML | CLAYEY SILT - MINOR FINE/ MEDIUM SAND. MEDIUM DENSE TO DENSE, MOIST, DARK BROWN. NO PRODUCT ODOR. | | | | | | | | | |

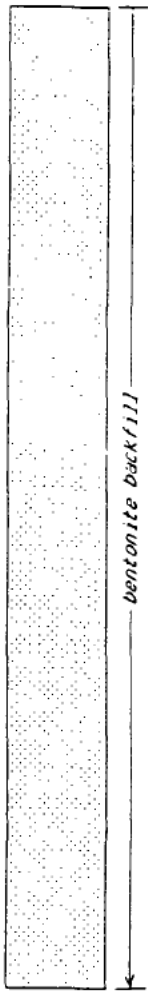
| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING C-2 | SOIL DESCRIPTION | SAMPLE ID | ANALYSES (mg/kg) ppm | | | | | |
|--|--------------|----------|------------|--------------|------------------|---|------------------|-----------|----------------------|-----------|------------|------|-----------|----------------|
| | | | | | | | | | FIELD | | LABORATORY | | | |
| | | | | | | | | | PID / FID | B020 BTEX | D045/LUFT | B080 | 4111 THPH | B010/B020 COMB |
|  <p>concrete cap</p> <p>bentonite backfill</p> | 0 | | | | | CONCRETE DRIVEWAY SLAB (APPROXIMATELY 6" THICK) | | | | | | | | |
| | 1 | | | | SM | SILTY SAND - FINE GRAINED. SOME MEDIUM/COARSE SAND AND GRAVEL (1/4" TO 3"). ASPHALT CHUNKS AND ASPHALTIC COATED COBBLES. LOOSE TO MEDIUM DENSE. MOIST. BROWN. NO PRODUCT ODOOR. | | | | | | | | |
| | | | | | | CONCRETE SLAB (APPROXIMATELY 4" THICK) | | | | | | | | |
| | 2 | | | | SM | SILTY SAND - FINE GRAINED. MINOR MEDIUM/COARSE SAND. LOOSE. MOIST. DARK BROWN. NO PRODUCT ODOOR. | | | | | | | | |
| | 3 | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | |


SURFACE ELEVATION: _____
TOTAL DRILL DEPTH: 18 ft.
FINAL SAMPLE DEPTH: 1.5 ft.
TOTAL DEPTH: 19.5 ft.
TYPE OF SAMPLER: 3 O.D. MODIFIED PORTER SAMPLER

DATE DRILLED: 1-22-91
LOGGED BY: LAWRENCE L. NEUVIRTH
SUPERVISED BY: LAWRENCE L. NEUVIRTH
DIAMETER OF BORING: 6 in.
WATER ENCOUNTERED AT: NOT ENCOUNTERED

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING C-2 | SAMPLE ID | ANALYSES (mg/Kg) CDM | | | | | | |
|--|--------------|----------|------------|--------------|------------------|--|-----------|----------------------|-----------|------------|------|------------|----------------|----|
| | | | | | | | | FIELD | | LABORATORY | | | | |
| | | | | | | | | PID / FID | B020 BTEX | D0H5/LUFT | B080 | 41B 1 TRPH | B010/B020 COMB | |
| SOIL DESCRIPTION | | | | | | | | | | | | | | |
|  | 4.14 | | | | | | | | | | | | | |
| | 5.14 | | 3 | | SM | | C2-5 | | | | | | NO | NO |
| | | | 3 | | | | | | | | | | | |
| | 6.14 | | 6 | | | SILTY SAND - FINE/MEDIUM GRAINED, SOME COARSE SAND AND GRAVEL (1/4" TO 3"). LOOSE, MOIST, BROWN TO GRAYISH BROWN, NO PRODUCT ODOR. | | | | | | | | |
| | 7.14 | | | | SM | | | | | | | | | |
| | 8.13999 | | 3 | | | | C2-9 | | | | | | NO | NO |
| | | | 2 | | | | | | | | | | | |
| | 9.13999 | | 2 | | | | | | | | | | | |

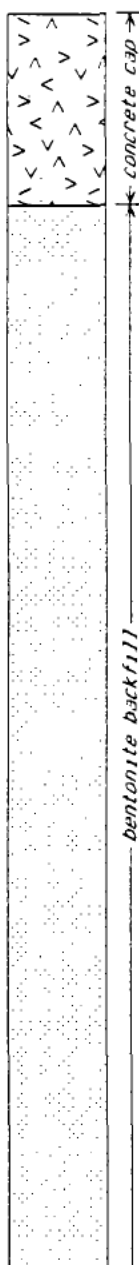
| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING C-2 | SAMPLE ID | ANALYSES (mg/Kg) 30m | | | | | | |
|--|--------------|----------|------------|--------------|------------------|--|-----------|----------------------|-----------|------|------------|----------------|--|--|
| | | | | | | FIELD | | LABORATORY | | | | | | |
| | | | | | | PID / FID | | B020 BTEX | D015/LUFT | B080 | 410 J 10PH | B010/B020 COMB | | |
|  | 9.315 | | | | | GRAVEL ZONE (1/2" TO 2". AVERAGE 1") | C2-13 | | | | | | | |
| | | | | | SM | | | | | | | | | |
| | 40.315 | | | | | | | | | | | | | |
| | | | | | GP | | | | | | | | | |
| | 41.315 | | | | | | | | | | | | | |
| | | | | | | SILTY CLAY - MODERATELY HARD, MOIST TO WET, DARK BROWN TO GRAYISH BROWN, NO PRODUCT OODR. | | | | | | | | |
| | | | | SM | | | | | | | | | | |
| 42.315 | | | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | |
| 43.315 | | | | | | | | | | | | | | |
| | | | 6 | | | 14' TO 16' OCCASIONAL GRAVELY ZONES | | | | | | | | |
| | | | | CL | | | | | | | | | | |
| 44.315 | | 10 | | | | | | | | | | | | |

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING C-2 | SAMPLE ID | ANALYSES (mg/Kg) ppm | | | | | | | |
|--|--------------|----------|------------|--------------|------------------|---|-----------|----------------------|-----------|------|------------|----------------|--|--|----------|
| | | | | | | FIELD | | LABORATORY | | | | | | | |
| | | | | | | PID / FID | | BO20 BTEX | DOHS/LUFT | BO80 | 418 1 THPH | BO10/BO20 COMB | | | |
|  | 14.49 | | | | | | | | | | | | | | |
| | 15.49 | | | | CL | | | | | | | | | | |
| | 16.49 | | | | | SILT - SOME FINE GRAINED SAND, SOME MEDIUM/COARSE SAND AND CLAY BINDER. LOOSE TO MEDIUM DENSE. DARK BROWN TO GRAYISH BROWN. NO PRODUCT ODOR. | | | | | | | | | |
| | 17.49 | | | | ML | | | | | | | | | | |
| | 18.49 | | 4 | | | | C2-18 | | | | | | | | ND 0.012 |
| | 19.49 | | 5 | | | | | | | | | | | | |
| | | | 8 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING G-1 | SAMPLE ID | ANALYSES (mg/Kg) 30m | | | | | | |
|--|--------------|----------|------------|--------------|------------------|---|-----------|----------------------|-----------|-----------|------|------------|----------------|----|
| | | | | | | FIELD | | LABORATORY | | | | | | |
| | | | | | | | | P10 / F10 | 8020 BTEX | DOHS/LUFT | 8080 | 418.1 TRPH | BUTY/RO20 Comp | |
|  | 0 | | | | | SAND - FINE GRAINED. SOME MEDIUM/COARSE SAND AND GRAVEL (1/4" TO 1 1/2"). LOOSE TO MEDIUM DENSE. SLIGHTLY MOIST. BROWN. NO PRODUCT ODOR. | G1-1 | | | NO | | | 1.8 | NO |
| | 1 | | | | SP | | | | | | | | | |
| | 2 | | | | GP | 2' TO 3' GRAVEL ZONE (UP TO 2 1/2") | | | | | | | | |
| | 3 | | | | SP | SAME AS 0'-2' | | | | | | | | |
| | 4 | | | | | SILTY SAND - FINE GRAINED. SOME MEDIUM/COARSE SAND, MINOR ASPHALT CHUNKS AND 1/4" GRAVEL. MEDIUM DENSE. MOIST. DARK BROWN. NO PRODUCT ODOR. | G1-5 | | | NO | | | NO | NO |
| | 5 | 8 | 10 | | | | | | | | | | | |
| | 6 | 13 | | | SM | 6' TO 7' MINOR CLAY BINDER IN ADDITION TO ABOVE | | | | | | | | |
| | 7 | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | |
| | 9 | | | | | SILT - MINOR CLAY BINDER, SOME GRAVEL (1/4" TO 3/4"). MEDIUM DENSE. MOIST. BROWN. NO PRODUCT ODOR. | G1-10 | | | NO | | | 1.8 | NO |
| | 10 | 7 | 8 | | | | | | | | | | | |
| | 11 | 12 | | | ML | | | | | | | | | |
| | 12 | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | |
| | 14 | | | | | SILT - TRACE FINE/MEDIUM SAND. MEDIUM DENSE. MOIST. DARK BROWN. NO PRODUCT ODOR. | G1-15 | | | NO | | | 2.7 | NO |
| | 15 | 10 | 10 | | ML | | | | | | | | | |
| | 16 | 10 | | | | | | | | | | | | |
| | 17 | | | | | | | | | | | | | |

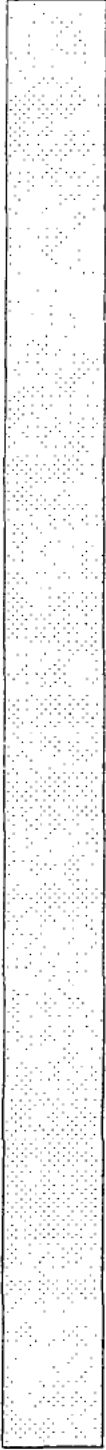
SURFACE ELEVATION: _____
 TOTAL DRILL DEPTH: 15 ft.
 FINAL SAMPLE DEPTH: 1.5 ft.
 TOTAL DEPTH: 16.5 ft.
 TYPE OF SAMPLER: 3 O.D. MODIFIED PORTER SAMPLER

DATE DRILLED: 1-22-91
 LOGGED BY: LAWRENCE L. NEUVIRTH
 SUPERVISED BY: LAWRENCE L. NEUVIRTH
 DIAMETER OF BORING: 6 in.
 WATER ENCOUNTERED AT: NOT ENCOUNTERED

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING S-1 | SAMPLE ID | ANALYSES (mg/Kg) ppm | | | | | |
|--|--------------|----------|------------|--------------|------------------|---|-----------|----------------------|-----------|------------|------|-----------|----|
| | | | | | | | | FIELD | | LABORATORY | | | |
| | | | | | | | | PID / FID | 8020 BTEX | 00HS/LUFT | 8080 | 410.1 TPH | |
|  | 0 | | | | | ASPHALT PAVEMENT (3" THICK) | | | | | | | |
| | | | | | SW | SAND - MEDIUM/VERY COARSE GRAINED, SOME FINE SAND AND SILT, LOOSE, MOIST, BROWN, NO PRODUCT ODOR. | | | | | | | |
| | 1 | | | | | CONCRETE SLAB (3" THICK) | | | | | | | |
| | | | | | | SILT - CLAY BINDER, MINOR FINE/COARSE SAND, LOOSE, MOIST, GRAYISH-BROWN, NO PRODUCT ODOR. | | | | | | | |
| | 2 | 3 | | | | | S1-2 | | | | | NO | NO |
| | 3 | 8 | | | | ML | | | | | | | |
| | 4 | | | | | | | | | | | | |
| | 5 | 7 | | | SW | SAND - MEDIUM/VERY COARSE SAND, SOME GRAVEL (1/4" TO 1"), MINOR FINE SAND, MEDIUM DENSE, MOIST/WET, BROWN, NO PRODUCT ODOR. | | | | | | NO | NO |
| | 6 | 10 | | | SP | SAND - FINE/MEDIUM GRAINED, MINOR COARSE SAND, MEDIUM DENSE, MOIST, BROWN, NO PRODUCT ODOR. | | | | | | | |

SURFACE ELEVATION: _____
 TOTAL DRILL DEPTH: 20 ft.
 FINAL SAMPLE DEPTH: 1.5 ft.
 TOTAL DEPTH: 21.5 ft.
 TYPE OF SAMPLER: 3 O.D. MODIFIED PORTER SAMPLER

DATE DRILLED: 1-22-91
 LOGGED BY: LAWRENCE L. NEUVIRTH
 SUPERVISED BY: LAWRENCE L. NEUVIRTH
 DIAMETER OF BORING: 6 in.
 WATER ENCOUNTERED AT: NOT ENCOUNTERED

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING S-1 | SAMPLE ID | ANALYSES (mg/Kg) ppm | | | | | |
|--|--------------|----------|------------|--------------|------------------|---|-----------|----------------------|-----------|------------|------|------------|----------------|
| | | | | | | | | FIELD | | LABORATORY | | | |
| | | | | | | | | PID / FID | BO20 BTEX | DOHS/LUFT | BOB0 | 419.1 TPHH | BO10/BO20 COMB |
| SOIL DESCRIPTION | | | | | | | | | | | | | |
|  bentonite backfill | 6 | | 10 | | | | | | | | | | |
| | 7 | | | | SP | | | | | | | | |
| | 8 | | | | | | | | | | | | |
| | 9 | | | | | CLAYEY SILT - SOME FINE SAND, LOOSE, MOIST/WET, VERY DARK BROWN, NO PRODUCT ODOR. | | | | | | | |
| | 10 | | 5 | | ML | | 51-10 | | | NO | NO | NO | |
| | 11 | | 4 | | | | | | | | | | |
| | 12 | | | | ML | SILT - MINOR CLAY BINDER AND FINE/COARSE SAND, MEDIUM DENSE TO DENSE, MOIST, MICACEOUS, DARK BROWN, NO PRODUCT ODOR. | | | | | | | |
| | 13 | | | | | | | | | | | | |

ACTIVE LEAK TESTING, INC.

1300 SOUTH BEACON ST., SUITE #120
SAN PEDRO, CA 90731


CLIENT: ANDREW JERGENS

99 WEST VERDUGO AVE

REDRANK, CA

Page 2 of 3 in log

Page 16 of 17 in report

| BORING / WELL CONSTRUCTION | DEPTH (FEET) | INTERVAL | BLOW COUNT | USCS SYMBOLS | USCS DESIGNATION | LOG OF BORING S-1 | | SAMPLE ID | ANALYSES (mg/Kg) ppm | | | | | | | |
|--|--------------|----------|------------|--------------|------------------|--|-----------|-----------|----------------------|-----------|------|------------|----------------|----|----|----|
| | | | | | | SOIL DESCRIPTION | FIELD | | LABORATORY | | | | | | | |
| | | | | | | | PID / FID | | B020 BTEX | D045/LUFT | B080 | 410.1 10PM | B010/B020 COMB | | | |
|  | 13.5 | | | | | | | | | | | | | | | |
| | 14.5 | | | | | | | | | | | | | | | |
| | 15.5 | | 7 | | | | | S1-15 | | | | | | NO | NO | NO |
| | 16.5 | | 11 | | | | | | | | | | | | | |
| | 17.5 | | 20 | | | | | | | | | | | | | |
| | 18.5 | | | | ML | 17' TO 19' LOOSE ZONE | | | | | | | | | | |
| | 19.5 | | | | | CLAYEY SILT - SOME FINE/ COARSE SAND, MEDIUM DENSE TO DENSE, MOIST, BROWN, NO PRODUCT ODOR. | | | | | | | | | | |
| | 20.5 | | 9 | | | | | S1-20 | | | | | | NO | NO | NO |
| | | | 10 | | | | | | | | | | | | | |

APPENDIX B
SOIL SAMPLING PROTOCOL

FIELD PROTOCOL

The purpose of the field protocol adopted and followed by Active Leak Testing, Inc. (ALT) will be to create a uniform approach for drilling sampling and analysis and to provide field quality control. The methods will be implemented under the general supervision of a State of California Registered Geologist, Certified Engineering Geologist or Registered Civil Engineer.

SAMPLING

1. During the drilling process, relatively undisturbed soil samples will be collected for visual description, chemical analysis (and physical parameters where required) with a split barrel core sampler (modified California Drive sampler, split spoon samples or a Shelby tube).
2. Two to three 2 to 2 1/2 inch OD X 6 inch long clean cylinders (depending on the length and size of the sampler) will be placed end to end inside the sampler. the cylinders will generally be composed of brass. Where the brass could potentially interfere with the chemical analyte of concern (when analyzing for copper for example), stainless steel tubes or other suitable materials will be substituted.
3. The modified sampler will be attached to the end of a drive hammer, lowered through the hollow stem auger flights and driven 12 inches by raising and dropping a 140 pound drive weight. Blow counts will be recorded on the field log.
4. After the sampler is driven to the desired depth, the rings will be removed. To the maximum extent possible, headspace will be allowed in the cylinder submitted for chemical analysis. Other sample procedures will be in accordance with acceptable practices set by Federal, State and local agencies and as described in the Soil Sampling, Preservation and Labelling section of this plan.

FIELD SCREENING OF SAMPLES

1. As the boreholes are being drilled and as samples are being obtained, a volatile organic analyzer (OVA) will be used to detect 1) the presence of volatile organics and 2) if there are changes in concentration of volatiles emanating from the borehole. Sample selection for laboratory analysis (and for compositing where permitted) may be based in part on the vapor concentration readings and/or regulatory requirements, so the field screening of samples will be based on an instrument that is working correctly or properly calibrated.
2. The OVA will be calibrated according to the manufacturer's specifications prior to field use. The field engineer or geologist will be responsible 1) for observing that the instrument has been calibrated by the manufacturer as intervals specified by the manufacturer, 2) the instrument is calibrated daily prior to field use, 3) a calibrating appropriate and relevant to the regulator and investigation has been used and 4) that there is an adequate supply of calibration gas on hand at the site prior to and during the investigation. At least one OVA will be calibrated with hexane to comply with SCAQMD rules and regulations. To the extent practical, the uppermost 6 inch soil (core) sample recovered at each sampling interval will be extruded in the field and placed in a glass jar, Whirl-Pak or equivalent plastic bag for the field screening of OVA's.
3. When utilized for screening purposed, the glass jar will be sealed with aluminum foil and fitted with an air tight lid. If plastic bags are used, they will be sealed tight.
4. The soil sample will then be exposed to the direct sunlight for ten minutes or longer. The lid will be removed and the aluminum foil punctured or the plastic bag will be puncture or opened and the OVA probe will be inserted into the headspace. The jar or bag sample will then be screened for indications of possible soil contamination.
5. OVA readings will be taken for each recovered sample and the values at the time the sample was collected will be recorded on the boring log for the appropriate depth. The background concentrations at the site and time will also be recorded on the boring log 1) prior to any daily activity, 2) at the conclusion of that daily activity and 3) every time a new supply of calibration gas is required for field use. Based on the need to target compound of concern not detected by the field OVA, such as EPA Method 8010 compounds, additional direct reading detector (i.e. draeger or SKC type tables) or different calibration gasses may also be utilized.

SAMPLING EQUIPMENT DECONTAMINATION PROCEDURES

1. Proper decontamination of sampling equipment and drilling equipment coming in contact with the sampling equipment is essential to prevent cross contamination of samples from the sampling device or drilling equipment.
2. All sampling equipment will be decontaminated before sampling. The sample tubes and sampling equipment will be 1) cleaned with a brush, Tri-Sodium Phosphate (TSP) and tap water wash, 2) rinsed thoroughly with fresh tap water and 3) final rinsed with distilled water and air dried before delivery to the site. Alternatively, this equipment will be washed and dried onsite using these methods before any field use.
3. When the sampler is recovered from each sample interval it will be disassembled in a clean working area to avoid cross contamination. Care will be taken to avoid or minimize contamination of both the inside and outside of the cylinder and its contents.
4. The sampler will be washed onsite with a TSP solution, rinsed with clean tap water and final rinsed with distilled water before the next interval sampling.
5. The sampler will then be re-assembled in a clean working area to avoid contamination. Steps to minimize surface contamination will be implemented including covering the surface of the working area with plastic.
6. The augers will also be steam cleaned before delivery to the site and between onsite borings. Water used for steam cleaning will be obtained from the local water supply or clean water supplied by the driller. Alternately, a separate set of precleaned augers may be used for each boring.
7. Any other drilling equipment that may contact the sample will be visually inspected for hydraulic fluid leaks or other malfunctions. If the equipment fails the inspection, it will be repaired and/or steam cleaned as appropriate.

BORINGS

1. Field work will be conducted under the direction of a State of California registered professional (R.G., C.E.G., or R.C.E.) and who is experienced in the use of the Unified Soil Classification System under most circumstances, a field engineer or geologist, under the direction of one of these State of California registered professionals, will supervise the actual drilling activities and procedures to insure that the field work is conducted in an environmentally sound and regulatory correct manner and that no unnecessary risks are taken during these activities.
2. The Health and Safety Officer (H&SO) or his designee will have the authority to insure that proper safety equipment is worn at all times while drilling when within the safety zone and to insure that all field personnel conduct field activities in a safe manner that follows the site safety plan. The H&SO will be responsible that the safety equipment is maintained in good working order and calibrated daily and as specified, by the manufacturer and as required by any applicable regulation.
3. Soil borings will be advanced by a method that minimizes introduction of foreign fluids while maintaining borehole stability. For unconsolidated formations, the preferred method will be hollow stem auger. This method will be implemented to the maximum extent possible in most drilling programs.
4. Mud rotary or air rotary will be the preferred method for consolidated formations. If a method which introduces drilling fluid into the formation is required the sample of the fluid will be retained. The amount of fluid forming introduced to the formation will be recorded on the field log.
5. Should a subsurface obstacle be encountered, the boring will be halted, the auger drill pipe will be removed and the soil will be probed for indication of piping or tanks etc. If the nature of the object is undeterminable, the hole will be abandoned. The boring will then be relocated nearby and redrilled as required.
6. The field engineer or geologist will maintain a boring log to document descriptions of the lithology penetrated by the boring. Changed in lithology will be noted and soil types described utilizing the Unified Soil Classification System (USCS). Attached is a boring log which will be used during the field program.
7. Soil sampling will be conducted following specific protocol for the project.
8. When soil contamination is encountered the boring will under most circumstances continue to a depth not less than 10 feet beyond the last detected contamination. The boring will generally terminate approximately 20 feet beyond the last indication of contamination. A soil boring may be discontinued if 1) groundwater is expected to be encountered at shallower depths based on onsite well data or well data from reasonably nearby wells and 2) if a groundwater monitoring well is not beneficial to the objective of the investigation or within the agreed on scope of work or contingencies by the client.
9. When groundwater is unexpectedly encountered, the boring will be discontinued unless the boring has been designed as or can be usefully converted to a groundwater monitoring well or groundwater extraction (remediation) well.
10. Where the boring can be usefully converted as a monitoring well, the design installation will be performed based on good environmental engineering practice and based on regulatory driven practices. Drilling in a saturated section beyond 5 feet into a tight clay layer will be discontinued under normal circumstances. Where drilling is

discontinued under these circumstances the hole will be plugged back to surface with bentonite and/or bentonite grout. Where drilling is continued under these circumstances, the well design will provide adequate protection from potential cross contamination. The design will be approved by a registered professional prior to implementation.

SOIL SAMPLING INTERVALS

1. Samples will normally be recovered at five foot intervals from 5 feet below grade to 20 feet below grade. From 20 feet below grade through to total drilled depth, samples will generally be collected at 10 foot intervals and at the termination of the boring. For example for a boring advanced to 55 feet, soil samples will be called to the maximum extent practical, from intervals at 5, 10, 15, 20, 30, 40, 50 and 55 feet below grade.
2. Soil samples will be collected for chemical analysis generally from at least one exploratory or assessment boring near underground storage tank and dispenser areas to at least 40 feet below grade where soil contamination does not dictate further sample collection. Sample beneath product pipe lines will generally be collected to depths of at least 20 feet below grade where soil contamination does not dictate further sample collection.
3. The soil sampling intervals may be varied to include additional intervals based a) on the field engineer's or geologist's observations of a significant change or changes in lithology, or b) if contamination or groundwater is encountered.
4. Where groundwater is encountered, sample collection will be attempted to the extent practical near the top of water and 5 foot intervals thereafter to the tenuous of the boring.

APPENDIX C
LABORATORY DATA



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
Burbank Division
700 South Flower Street
Burbank, CA 91502
Tel: (213) 849-6595
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DOHS Certificate Number: 1192
LACSD Lab I.D. Number: 10158

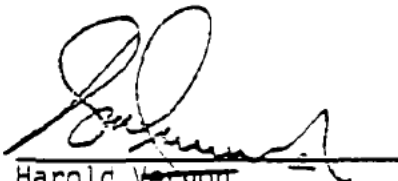
02-06-91

Richard Pilat
Active Leak Testing
1300 S. Beacon St. Ste 120
San Pedro, CA 90027

Client Ref: 274 Jergens

Sample analysis for the project referred to above has been completed and results are located on attached pages.

Should you have questions regarding procedures or results, please feel welcome to contact our Client Services Representatives or the Laboratory Director.



Harold Vernon
Laboratory Director

HV:rf
Attachments:
Analytical Reports
Chain of Custody Document

Client No: 76
NET Job No: 3602A



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 3602A
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : G1 @ 1 G1 @ 5 G1 @ 10 G1 @ 15

Lab No. : 22451 22452 22453 22454

| ANALYTES/METHOD | RESULTS | | | | R.L. | UNITS |
|------------------|---------|-----|----|-----|------|---------|
| TRPH (non-polar) | 418.1 | 1.8 | ND | 1.8 | 2.7 | 1 mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602A
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : G1 @ 1 G1 @ 5 G1 @ 10 G1 @ 15

Lab No. : 22451 22452 22453 22454

| ANALYTES/METHOD | RESULTS | | | | R.L. | UNITS |
|----------------------------|----------|----------|----------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | | | | |
| Date Extracted | 02-05-91 | 02-02-91 | 02-02-91 | 02-02-91 | | |
| Date Analyzed | 02-05-91 | 02-02-91 | 02-02-91 | 02-02-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | 1 | | |
| HALOGENATED VOLATILES | -- | -- | -- | -- | | |
| Bromodichloromethane | ND | ND | ND | ND | 10 | ug/Kg |
| Bromoform | ND | ND | ND | ND | 50 | ug/Kg |
| Bromomethane | ND | ND | ND | ND | 50 | ug/Kg |
| Carbon tetrachloride | ND | ND | ND | ND | 10 | ug/Kg |
| Chlorobenzene | ND | ND | ND | ND | 10 | ug/Kg |
| Chloroethane | ND | ND | ND | ND | 50 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | ND | ND | ND | 50 | ug/Kg |
| Chloroform | ND | ND | ND | ND | 10 | ug/Kg |
| Chloromethane | ND | ND | ND | ND | 50 | ug/Kg |
| Dibromochloromethane | ND | ND | ND | ND | 10 | ug/Kg |
| 1,2-Dichlorobenzene | ND | ND | ND | ND | 10 | ug/Kg |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | 10 | ug/Kg |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | 10 | ug/Kg |
| Dichlorodifluoromethane | ND | ND | ND | ND | 50 | ug/Kg |
| 1,1-Dichloroethane | ND | ND | ND | ND | 10 | ug/Kg |
| 1,2-Dichloroethane | ND | ND | ND | ND | 10 | ug/Kg |
| 1,1-Dichloroethene | ND | ND | ND | ND | 10 | ug/Kg |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | 10 | ug/Kg |
| 1,2-Dichloropropane | ND | ND | ND | ND | 10 | ug/Kg |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | 10 | ug/Kg |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | 10 | ug/Kg |
| Methylene chloride | ND | ND | ND | ND | 50 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | 10 | ug/Kg |
| Tetrachloroethene | ND | ND | ND | ND | 10 | ug/Kg |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | 10 | ug/Kg |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | 10 | ug/Kg |
| Trichloroethene | ND | ND | ND | ND | 10 | ug/Kg |
| Trichlorofluoromethane | ND | ND | ND | ND | 50 | ug/Kg |
| Vinyl chloride | ND | ND | ND | ND | 50 | ug/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602A
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : G1 @ 1 G1 @ 5 G1 @ 10 G1 @ 15

Lab No. : 22451 22452 22453 22454

| ANALYTES/METHOD | | RESULTS | | | | R.L. | UNITS |
|----------------------------|----------|----------|----------|----------|----|-------|-------|
| AROMATIC VOLATILES | | | | | | | |
| Benzene | ND | ND | ND | ND | 10 | ug/Kg | |
| Ethylbenzene | ND | ND | ND | ND | 10 | ug/Kg | |
| Toluene | ND | ND | ND | ND | 10 | ug/Kg | |
| Xylenes, total | ND | ND | ND | ND | 10 | ug/Kg | |
| Surrogate Spike | -- | -- | -- | -- | | | |
| 2-Chlorotoluene | 104 | 105 | 100 | 101 | | % Rec | |
| METHOD DOHS/LUFT | | | | | | | |
| Date Extracted | 01-30-91 | 01-30-91 | 01-30-91 | 01-30-91 | | | |
| Date Analyzed | 02-01-91 | 02-01-91 | 02-01-91 | 02-01-91 | | | |
| Detection Limit Multiplier | 0.1 | 0.1 | 0.1 | 0.1 | | | |
| TOT. PET. HYDROCARBONS | | | | | | | |
| as Diesel | ND | ND | ND | ND | 10 | mg/Kg | |
| Surrogate Spike-TPH Diesel | -- | -- | -- | -- | | | |
| Chlorobenzene | 70 | 73 | 85 | 74 | | % Rec | |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 36028
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : T1 @ 1 T1 @ 5 T1 @ 10

Lab No. : 22455 22456 22457

| ANALYTES/METHOD | | | RESULTS | | R.L. | UNITS |
|------------------|-------|-----|---------|----|------|-------|
| TRPH (non-polar) | 418.1 | 498 | ND | ND | 1 | mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602B
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

| | | | |
|-------------|--------|--------|---------|
| Sample ID : | TI @ 1 | TI @ 5 | TI @ 10 |
| Lab No. : | 22455 | 22456 | 22457 |

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|----------------------------|----------|----------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | | | |
| Date Extracted | 02-05-91 | 02-02-91 | 02-02-91 | | |
| Date Analyzed | 02-05-91 | 02-02-91 | 02-02-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| HALOGENATED VOLATILES | -- | -- | -- | | |
| Bromodichloromethane | ND | ND | ND | 5 | ug/Kg |
| Bromoform | ND | ND | ND | 10 | ug/Kg |
| Bromomethane | ND | ND | ND | 10 | ug/Kg |
| Carbon tetrachloride | ND | ND | ND | 5 | ug/Kg |
| Chlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Chloroethane | ND | ND | ND | 10 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | ND | ND | 10 | ug/Kg |
| Chloroform | ND | ND | ND | 5 | ug/Kg |
| Chloromethane | ND | ND | ND | 10 | ug/Kg |
| Dibromochloromethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,3-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,4-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Dichlorodifluoromethane | ND | ND | ND | 10 | ug/Kg |
| 1,1-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| trans-1,2-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloropropane | ND | ND | ND | 5 | ug/Kg |
| cis-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| trans-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| Methylene chloride | ND | ND | ND | 10 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | 5 | ug/Kg |
| Tetrachloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,1,1-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1,2-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| Trichloroethene | ND | ND | ND | 5 | ug/Kg |
| Trichlorofluoromethane | ND | ND | ND | 10 | ug/Kg |
| Vinyl chloride | ND | ND | ND | 10 | ug/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602B
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

| | | | |
|-------------|--------|--------|---------|
| Sample ID : | T1 @ 1 | T1 @ 5 | T1 @ 10 |
| Lab No. : | 22455 | 22456 | 22457 |

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|--------------------|---------|-----|-----|------|-------|
| AROMATIC VOLATILES | | | | | |
| Benzene | ND | ND | ND | 5 | ug/Kg |
| Ethylbenzene | ND | ND | ND | 5 | ug/Kg |
| Toluene | ND | ND | ND | 5 | ug/Kg |
| Xylenes, total | ND | ND | ND | 5 | ug/Kg |
| Surrogate Spike | -- | -- | -- | | |
| 2-Chlorotoluene | 106 | 105 | 101 | | % Rec |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing

Client Ref.: 274 Jergens

NET Job No.: 36028

Lab Series : 22451-22475

Date Reported: 02-06-91

Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : C1 @ 5 C1 @ 8 C1 @ 13

Lab No. : 22458 22459 22460

| ANALYTES/METHOD | | | RESULTS | | R.L. | UNITS |
|------------------|-------|----|---------|----|------|-------|
| TRPH (non-polar) | 418.1 | ND | ND | ND | 1 | mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 36028
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

| | | | |
|-------------|--------|--------|---------|
| Sample ID : | C1 @ 5 | C1 @ 8 | C1 @ 13 |
| Lab No. : | 22458 | 22459 | 22460 |

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|----------------------------|----------|----------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | | | |
| Date Extracted | 02-02-91 | 02-04-91 | 02-04-91 | | |
| Date Analyzed | 02-02-91 | 02-04-91 | 02-04-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| HALOGENATED VOLATILES | -- | -- | -- | | |
| Bromodichloromethane | ND | ND | ND | 5 | ug/Kg |
| Bromoform | ND | ND | ND | 10 | ug/Kg |
| Bromomethane | ND | ND | ND | 10 | ug/Kg |
| Carbon tetrachloride | ND | ND | ND | 5 | ug/Kg |
| Chlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Chloroethane | ND | ND | ND | 10 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | ND | ND | 10 | ug/Kg |
| Chloroform | ND | ND | ND | 5 | ug/Kg |
| Chloromethane | ND | ND | ND | 10 | ug/Kg |
| Dibromochloromethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,3-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,4-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Dichlorodifluoromethane | ND | ND | ND | 10 | ug/Kg |
| 1,1-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| trans-1,2-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloropropane | ND | ND | ND | 5 | ug/Kg |
| cis-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| trans-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| Methylene chloride | ND | ND | ND | 10 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | 5 | ug/Kg |
| Tetrachloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,1,1-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1,2-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| Trichloroethene | ND | ND | ND | 5 | ug/Kg |
| Trichlorofluoromethane | ND | ND | ND | 10 | ug/Kg |
| Vinyl chloride | ND | ND | ND | 10 | ug/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 36028
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : C1 @ 5 C1 @ 8 C1 @ 13

Lab No. : 22458 22459 22460

| ANALYTES/METHOD | | RESULTS | | R.L. | UNITS |
|--------------------|-----|---------|----|------|-------|
| AROMATIC VOLATILES | | | | | |
| Benzene | ND | ND | ND | 5 | ug/Kg |
| Ethylbenzene | ND | ND | ND | 5 | ug/Kg |
| Toluene | ND | ND | ND | 5 | ug/Kg |
| Xylenes, total | ND | ND | ND | 5 | ug/Kg |
| Surrogate Spike | -- | -- | -- | | |
| 2-Chlorotoluene | 100 | 97 | 97 | | % Rec |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 36028
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : C1 @ 18 C2 @ 5 C2 @ 8

Lab No. : 22461 22462 22463

| ANALYTES/METHOD | | | RESULTS | | R.L. | UNITS |
|------------------|-------|----|---------|----|------|-------|
| TRPH (non-polar) | 418.1 | ND | ND | ND | 1 | mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc

Client Name: Active Leak Testing

Client Ref.: 274 Jergens

NET Job No.: 36028

Lab Series : 22451-22475

Date Reported: 02-06-91

Date Received: 01-22-91 1530

Matrix : Soil

Sample ID : C1 @ 18 C2 @ 5 C2 @ 8

Lab No. : 22461 22462 22463

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|----------------------------|----------|----------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | | | |
| Date Extracted | 02-05-91 | 02-04-91 | 02-05-91 | | |
| Date Analyzed | 02-05-91 | 02-04-91 | 02-05-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| HALOGENATED VOLATILES | -- | -- | -- | | |
| Bromodichloromethane | ND | ND | ND | 5 | ug/Kg |
| Bromoform | ND | ND | ND | 10 | ug/Kg |
| Bromomethane | ND | ND | ND | 10 | ug/Kg |
| Carbon tetrachloride | ND | ND | ND | 5 | ug/Kg |
| Chlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Chloroethane | ND | ND | ND | 10 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | ND | ND | 10 | ug/Kg |
| Chloroform | ND | ND | ND | 5 | ug/Kg |
| Chloromethane | ND | ND | ND | 10 | ug/Kg |
| Dibromochloromethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,3-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,4-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Dichlorodifluoromethane | ND | ND | ND | 10 | ug/Kg |
| 1,1-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| trans-1,2-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloropropane | ND | ND | ND | 5 | ug/Kg |
| cis-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| trans-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| Methylene chloride | ND | ND | ND | 10 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | 5 | ug/Kg |
| Tetrachloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,1,1-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1,2-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| Trichloroethene | ND | ND | ND | 5 | ug/Kg |
| Trichlorofluoromethane | ND | ND | ND | 10 | ug/Kg |
| Vinyl chloride | ND | ND | ND | 10 | ug/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602B
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : C1 @ 18 C2 @ 5 C2 @ 8

Lab No. : 22461 22462 22463

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|--------------------|---------|-----|----|------|-------|
| AROMATIC VOLATILES | | | | | |
| Benzene | ND | ND | ND | 5 | ug/Kg |
| Ethylbenzene | ND | ND | ND | 5 | ug/Kg |
| Toluene | ND | ND | ND | 5 | ug/Kg |
| Xylenes, total | ND | ND | ND | 5 | ug/Kg |
| Surrogate Spike | -- | -- | -- | | |
| 2-Chlorotoluene | 105 | 106 | 95 | | % Rec |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 3602B
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : C2 @ 13 C2 @ 18

Lab No. : 22464 22465

| ANALYTES/METHOD | | | RESULTS | R.L. | UNITS |
|------------------|-------|----|---------|------|-------|
| TRPH (non-polar) | 418.1 | ND | ND | 1 | mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 36028
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : C2 @ 13 C2 @ 18

Lab No. : 22464 22465

| ANALYTES/METHOD | | RESULTS | R.L. | UNITS |
|----------------------------|----------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | | |
| Date Extracted | 02-04-91 | 02-04-91 | | |
| Date Analyzed | 02-04-91 | 02-04-91 | | |
| Reporting Limit Multiplier | 1 | 1 | | |
| HALOGENATED VOLATILES | -- | -- | | |
| Bromodichloromethane | ND | ND | 5 | ug/Kg |
| Bromoform | ND | ND | 10 | ug/Kg |
| Bromomethane | ND | ND | 10 | ug/Kg |
| Carbon tetrachloride | ND | ND | 5 | ug/Kg |
| Chlorobenzene | ND | ND | 5 | ug/Kg |
| Chloroethane | ND | ND | 10 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | ND | 10 | ug/Kg |
| Chloroform | ND | ND | 5 | ug/Kg |
| Chloromethane | ND | ND | 10 | ug/Kg |
| Dibromochloromethane | ND | ND | 5 | ug/Kg |
| 1,2-Dichlorobenzene | ND | ND | 5 | ug/Kg |
| 1,3-Dichlorobenzene | ND | ND | 5 | ug/Kg |
| 1,4-Dichlorobenzene | ND | ND | 5 | ug/Kg |
| Dichlorodifluoromethane | ND | ND | 10 | ug/Kg |
| 1,1-Dichloroethane | ND | ND | 5 | ug/Kg |
| 1,2-Dichloroethane | ND | ND | 5 | ug/Kg |
| 1,1-Dichloroethene | ND | ND | 5 | ug/Kg |
| trans-1,2-Dichloroethene | ND | ND | 5 | ug/Kg |
| 1,2-Dichloropropane | ND | ND | 5 | ug/Kg |
| cis-1,3-Dichloropropene | ND | ND | 5 | ug/Kg |
| trans-1,3-Dichloropropene | ND | ND | 5 | ug/Kg |
| Methylene chloride | ND | ND | 10 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | ND | 5 | ug/Kg |
| Tetrachloroethene | ND | ND | 5 | ug/Kg |
| 1,1,1-Trichloroethane | ND | ND | 5 | ug/Kg |
| 1,1,2-Trichloroethane | ND | ND | 5 | ug/Kg |
| Trichloroethene | ND | ND | 5 | ug/Kg |
| Trichlorofluoromethane | ND | ND | 10 | ug/Kg |
| Vinyl chloride | ND | ND | 10 | ug/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 36028
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : C2 @ 13 C2 @ 18

Lab No. : 22464 22465

| ANALYTES/METHOD | | RESULTS | R.L. | UNITS |
|--------------------|----|---------|------|-------|
| AROMATIC VOLATILES | | | | |
| Benzene | ND | 12 | 5 | ug/Kg |
| Ethylbenzene | ND | ND | 5 | ug/Kg |
| Toluene | ND | ND | 5 | ug/Kg |
| Xylenes, total | ND | ND | 5 | ug/Kg |
| Surrogate Spike | -- | -- | | |
| 2-Chlorotoluene | 90 | 92 | | % Rec |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing

Client Ref.: 274 Jergens

NET Job No.: 3602C

Lab Series : 22451-22475

Date Reported: 02-06-91

Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : P1 @ 2 P1 @ 5 P1 @ 10

Lab No. : 22466 22467 22468

| ANALYTES/METHOD | | | RESULTS | | R.L. | UNITS |
|------------------|-------|----|---------|-----|------|-------|
| TRPH (non-polar) | 418.1 | ND | 3.3 | 1.8 | 1 | mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602C
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : P1 @ 2 P1 @ 5 P1 @ 10

Lab No. : 22466 22467 22468

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|----------------------------|----------|--------------|----------|------|--------|
| METHOD 8080 | | | | | |
| Date Extracted | 02-01-91 | 01-30-91 | 01-30-91 | | |
| Date Analyzed | 02-01-91 | 02-01-91 | 02-01-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| ORGANOCHLORINE PEST. | -- | -- | -- | | |
| Aldrin | ND | ND | ND | 5 | ug/Kg |
| alpha-BHC | ND | ND | ND | 5 | ug/Kg |
| beta-BHC | ND | ND | ND | 5 | ug/Kg |
| delta-BHC | ND | ND | ND | 5 | ug/Kg |
| gamma-BHC (Lindane) | ND | ND | ND | 5 | ug/Kg |
| Chlordane | ND | ND | ND | 10 | ug/Kg |
| 4,4'-DDD | ND | ND | ND | 5 | ug/Kg |
| 4,4'-DDE | ND | ND | ND | 5 | ug/Kg |
| 4,4'-DDT | ND | ND | ND | 5 | ug/Kg |
| Dieldrin | ND | ND | ND | 5 | ug/Kg |
| Endosulfan I | ND | ND | ND | 5 | ug/Kg |
| Endosulfan II | ND | ND | ND | 5 | ug/Kg |
| Endosulfan sulfate | ND | ND | ND | 5 | ug/Kg |
| Endrin | ND | ND | ND | 5 | ug/Kg |
| Endrin aldehyde | ND | ND | ND | 5 | ug/Kg |
| Heptachlor | ND | ND | ND | 5 | ug/Kg |
| Heptachlor epoxide | ND | ND | ND | 5 | ug/Kg |
| Kepone | ND | ND | ND | 5 | ug/Kg |
| Methoxychlor | ND | ND | ND | 5 | ug/Kg |
| Mirex | ND | ND | ND | 5 | ug/Kg |
| Toxaphene | ND | ND | ND | 25 | ug/Kg |
| POLYCHLOR. BIPHENYLS | -- | -- | -- | | |
| Aroclor 1016 | ND | ND | ND | 25 | ug/Kg |
| Aroclor 1221 | ND | ND | ND | 50 | ug/Kg |
| Aroclor 1232 | ND | ND | ND | 50 | ug/Kg |
| Aroclor 1242 | ND | ND | ND | 25 | ug/Kg |
| Aroclor 1248 | ND | ND | ND | 25 | ug/Kg |
| Aroclor 1254 | ND | ND | ND | 25 | ug/Kg |
| Aroclor 1260 | ND | ND | ND | 25 | ug/Kg |
| Surrogate Spike | | | | | |
| 2-Chloronaphthalene | 87 | Interference | 94 | | % Rec. |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing

Client Ref.: 274 Jergens

NET Job No.: 3602C

Lab Series : 22451-22475

Date Reported: 02-06-91

Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : P1 @ 2 P1 @ 5 P1 @ 10

Lab No. : 22466 22467 22468

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|----------------------------|----------|----------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | | | |
| Date Extracted | 02-05-91 | 02-04-91 | 02-04-91 | | |
| Date Analyzed | 02-05-91 | 02-04-91 | 02-04-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| HALOGENATED VOLATILES | -- | -- | -- | | |
| Bromodichloromethane | ND | ND | ND | 5 | ug/Kg |
| Bromoform | ND | ND | ND | 10 | ug/Kg |
| Bromomethane | ND | ND | ND | 10 | ug/Kg |
| Carbon tetrachloride | ND | ND | ND | 5 | ug/Kg |
| Chlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Chloroethane | ND | ND | ND | 10 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | ND | ND | 10 | ug/Kg |
| Chloroform | ND | ND | ND | 5 | ug/Kg |
| Chloromethane | ND | ND | ND | 10 | ug/Kg |
| Dibromochloromethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,3-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,4-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Dichlorodifluoromethane | ND | ND | ND | 10 | ug/Kg |
| 1,1-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| trans-1,2-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloropropane | ND | ND | ND | 5 | ug/Kg |
| cis-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| trans-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| Methylene chloride | ND | ND | ND | 10 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | 5 | ug/Kg |
| Tetrachloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,1,1-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1,2-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| Trichloroethene | ND | ND | ND | 5 | ug/Kg |
| Trichlorofluoromethane | ND | ND | ND | 10 | ug/Kg |
| Vinyl chloride | ND | ND | ND | 10 | ug/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602C
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

| | | | |
|-------------|--------|--------|---------|
| Sample ID : | P1 @ 2 | P1 @ 5 | P1 @ 10 |
| Lab No. : | 22466 | 22467 | 22468 |

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|--------------------|---------|----|----|------|-------|
| AROMATIC VOLATILES | | | | | |
| Benzene | ND | ND | ND | 5 | ug/Kg |
| Ethylbenzene | ND | ND | ND | 5 | ug/Kg |
| Toluene | ND | ND | ND | 5 | ug/Kg |
| Xylenes, total | ND | ND | ND | 5 | ug/Kg |
| Surrogate Spike | -- | -- | -- | | |
| 2-Chlorotoluene | 105 | 88 | 98 | | % Rec |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 3602C
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : P1 @ 15 P1 @ 20 S1 @ 2

Lab No. : 22469 22470 22471

| ANALYTES/METHOD | | | RESULTS | | R.L. | UNITS |
|------------------|-------|----|---------|----|------|-------|
| TRPH (non-polar) | 418.1 | ND | 1.1 | ND | 1 | mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602C
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : S1 @ 5 S1 @ 10 S1 @ 15

Lab No. : 22472 22473 22474

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|--------------------|---------|-----|-----|------|-------|
| AROMATIC VOLATILES | | | | | |
| Benzene | ND | ND | ND | 5 | ug/Kg |
| Ethylbenzene | ND | ND | ND | 5 | ug/Kg |
| Toluene | ND | ND | ND | 5 | ug/Kg |
| Xylenes, total | ND | ND | ND | 5 | ug/Kg |
| Surrogate Spike | -- | -- | -- | | |
| 2-Chlorotoluene | 106 | 103 | 108 | | % Rec |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 3602C
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : S1 @ 20

Lab No. : 22475

| ANALYTES/METHOD | RESULTS | R.L. | UNITS |
|------------------------|---------|------|-------|
| TRPH (non-polar) 418.1 | ND | 1 | mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602C
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : S1 @ 20

Lab No. : 22475

| ANALYTES/METHOD | RESULTS | R.L. | UNITS |
|----------------------------|----------|------|--------|
| METHOD 8080 | | | |
| Date Extracted | 01-30-91 | | |
| Date Analyzed | 02-02-91 | | |
| Reporting Limit Multiplier | 1 | | |
| ORGANOCHLORINE PEST. | -- | | |
| Aldrin | ND | 5 | ug/Kg |
| alpha-BHC | ND | 5 | ug/Kg |
| beta-BHC | ND | 5 | ug/Kg |
| delta-BHC | ND | 5 | ug/Kg |
| gamma-BHC (Lindane) | ND | 5 | ug/Kg |
| Chlordane | ND | 10 | ug/Kg |
| 4,4'-DDD | ND | 5 | ug/Kg |
| 4,4'-DDE | ND | 5 | ug/Kg |
| 4,4'-DDT | ND | 5 | ug/Kg |
| Dieldrin | ND | 5 | ug/Kg |
| Endosulfan I | ND | 5 | ug/Kg |
| Endosulfan II | ND | 5 | ug/Kg |
| Endosulfan sulfate | ND | 5 | ug/Kg |
| Endrin | ND | 5 | ug/Kg |
| Endrin aldehyde | ND | 5 | ug/Kg |
| Heptachlor | ND | 5 | ug/Kg |
| Heptachlor epoxide | ND | 5 | ug/Kg |
| Kepone | ND | 5 | ug/Kg |
| Methoxychlor | ND | 5 | ug/Kg |
| Mirex | ND | 5 | ug/Kg |
| Toxaphene | ND | 25 | ug/Kg |
| POLYCHLOR. BIPHENYLS | -- | | |
| Aroclor 1016 | ND | 25 | ug/Kg |
| Aroclor 1221 | ND | 50 | ug/Kg |
| Aroclor 1232 | ND | 50 | ug/Kg |
| Aroclor 1242 | ND | 25 | ug/Kg |
| Aroclor 1248 | ND | 25 | ug/Kg |
| Aroclor 1254 | ND | 25 | ug/Kg |
| Aroclor 1260 | ND | 25 | ug/Kg |
| Surrogate Spike | | | |
| 2-Chloronaphthalene | 104 | | % Rec. |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602C
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : S1 @ 20

Lab No. : 22475

| ANALYTES/METHOD | RESULTS | R.L. | UNITS |
|----------------------------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | |
| Date Extracted | 02-05-91 | | |
| Date Analyzed | 02-05-91 | | |
| Reporting Limit Multiplier | 1 | | |
| HALOGENATED VOLATILES | -- | | |
| Bromodichloromethane | ND | 5 | ug/Kg |
| Bromoform | ND | 10 | ug/Kg |
| Bromomethane | ND | 10 | ug/Kg |
| Carbon tetrachloride | ND | 5 | ug/Kg |
| Chlorobenzene | ND | 5 | ug/Kg |
| Chloroethane | ND | 10 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | 10 | ug/Kg |
| Chloroform | ND | 5 | ug/Kg |
| Chloromethane | ND | 10 | ug/Kg |
| Dibromochloromethane | ND | 5 | ug/Kg |
| 1,2-Dichlorobenzene | ND | 5 | ug/Kg |
| 1,3-Dichlorobenzene | ND | 5 | ug/Kg |
| 1,4-Dichlorobenzene | ND | 5 | ug/Kg |
| Dichlorodifluoromethane | ND | 10 | ug/Kg |
| 1,1-Dichloroethane | ND | 5 | ug/Kg |
| 1,2-Dichloroethane | ND | 5 | ug/Kg |
| 1,1-Dichloroethene | ND | 5 | ug/Kg |
| trans-1,2-Dichloroethene | ND | 5 | ug/Kg |
| 1,2-Dichloropropane | ND | 5 | ug/Kg |
| cis-1,3-Dichloropropene | ND | 5 | ug/Kg |
| trans-1,3-Dichloropropene | ND | 5 | ug/Kg |
| Methylene chloride | ND | 10 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | 5 | ug/Kg |
| Tetrachloroethene | ND | 5 | ug/Kg |
| 1,1,1-Trichloroethane | ND | 5 | ug/Kg |
| 1,1,2-Trichloroethane | ND | 5 | ug/Kg |
| Trichloroethene | ND | 5 | ug/Kg |
| Trichlorofluoromethane | ND | 10 | ug/Kg |
| Vinyl chloride | ND | 10 | ug/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602C
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : S1 @ 20

Lab No. : 22475

| ANALYTES/METHOD | RESULTS | R.L. | UNITS |
|--------------------|---------|------|-------|
| AROMATIC VOLATILES | | | |
| Benzene | ND | 5 | ug/Kg |
| Ethylbenzene | ND | 5 | ug/Kg |
| Toluene | ND | 5 | ug/Kg |
| Xylenes, total | ND | 5 | ug/Kg |
| Surrogate Spike | -- | | |
| 2-Chlorotoluene | 110 | | % Rec |

ND - Not Detected at the Reporting Limit



ACTIVE LEAK TESTING, INC.
1300 S. BEACON ST. SUITE 120
SAN PEDRO, CALIFORNIA 90731
PHONE (213) 833-8700 FAX (213) 832-9411

CHAIN OF CUSTODY RECORD

PROJECT NUMBER 271

PAGE 1 OF 1

PROJECT NAME LEGAS 9014 11/22/91

DATE 1/22/91

Laboratory: ALTY Pacific
Address: _____

| Sample No. / Identification | Sampling | | Sample Type | | | Number of Containers | 8010 / 8020 | 8015 - GAS | 8015 - DIESEL | 8020 / 602 | 418.1 TPH | 8240 / 624 | | |
|-----------------------------|----------|------|-------------|-----|-------|----------------------|-------------|------------|---------------|------------|-----------|------------|--|--|
| | Date | Time | LIO | AIR | SOLID | | | | | | | | | |
| 0110 | 1/17/91 | 8:15 | | | ✓ | | X | | X | | X | | | |
| 0110 | " | 8:40 | | | ✓ | | X | | X | | X | | | |
| 0110 | " | 8:45 | | | ✓ | | X | | X | | X | | | |
| 0110 | " | 8:50 | | | ✓ | | X | | X | | X | | | |
| 1110 | | 9:35 | | | ✓ | | X | | | | X | | | |
| 1110 | | 1:45 | | | ✓ | | X | | | | X | | | |
| 1110 | | 2:50 | | | ✓ | | X | | | | X | | | |

| | | | | | |
|---------------------------------------|--|------------------------------------|---|-----------------|--------------|
| SAMPLED BY: (PRINT) Richard Phat | SAMPLED BY: (SIGNATURE) <i>Richard Phat</i> | RECEIVED BY: (PRINT) Charles G. | RECEIVED BY: (SIGNATURE) <i>Charles G.</i> | DATE 1/22/91 | TIME 3:50 |
| RELINQUISHED: (PRINT) Richard Phat | RELINQUISHED: (SIGNATURE) <i>Richard Phat</i> | RECEIVED BY: (PRINT) Charles G. | RECEIVED BY: (SIGNATURE) <i>Charles G.</i> | DATE 1/22/91 | TIME 3:50 |
| RELINQUISHED: (PRINT) Charles G. | RELINQUISHED: (SIGNATURE) <i>Charles G.</i> | LABORATORY (PRINT) NET | LABORATORY (SIGNATURE) <i>Charles G.</i> | DATE 1/22/91 | TIME 4:00 |

METHOD OF SHIPMENT

SPECIAL INSTRUCTIONS

NOTES



ACTIVE LEAK TESTING, INC.
1300 S. BEACON ST. SUITE 120
SAN PEDRO, CALIFORNIA 90731
PHONE (213) 833-8700 FAX (213) 832-9411

CHAIN OF CUSTODY RECORD

PROJECT NUMBER 274

PAGE 2 OF 4

PROJECT NAME TERRENS 99

DATE 1/22/91

Laboratory: NET PACIFIC
Address: FLOWER ST. BUREAU

| Sample No. / Identification | Sampling | | Sample Type | | | Number of Containers | 8010 / 6010 | 8015 - GAS | 8015 - DIESEL | 8020 / 602 | 418.1 TPH | 8240 / 624 |
|-----------------------------|----------|-------|-------------|-----|-------|----------------------|-------------|------------|---------------|------------|-----------|------------|
| | Date | Time | LIQ. | AIR | SOLID | | | | | | | |
| C-1 @ 5' | 1/22/91 | 11:00 | | | X | | X | | | | X | |
| C-1 @ 8' | " | 11:05 | | | | | X | | | | X | |
| C-1 @ 13' | " | 11:10 | | | | | X | | | | X | |
| C-1 @ 18' | " | 11:15 | | | | | X | | | | X | |
| C-2 @ 5' | | 12:05 | | | | | X | | | | X | |
| C-2 @ 8' | | 12:10 | | | | | X | | | | X | |
| C-2 @ 13' | | 12:15 | | | | | X | | | | X | |
| C-2 @ 18' | | 12:20 | | | | | X | | | | X | |

| | | | | | |
|--|--|----------------------------------|--------------------------------------|-----------------|--------------|
| SAMPLED BY: (PRINT) Richard P. AF | SAMPLED BY: (SIGNATURE) Richard P. AF | RECEIVED BY: (PRINT) C. J. L. | RECEIVED BY: (SIGNATURE) C. J. L. | DATE 1/22 | TIME |
| RELINQUISHED: (PRINT) Richard P. AF | RELINQUISHED: (SIGNATURE) Richard P. AF | RECEIVED BY: (PRINT) C. J. L. | RECEIVED BY: (SIGNATURE) C. J. L. | DATE 1/22/91 | TIME 3:30 |
| RELINQUISHED: (PRINT) C. J. L. | RELINQUISHED: (SIGNATURE) C. J. L. | LABORATORY (PRINT) NET | LABORATORY (SIGNATURE) C. J. L. | DATE 1/22/91 | TIME 4:30 |

METHOD OF SHIPMENT

SPECIAL INSTRUCTIONS

NOTES



ACTIVE LEAK TESTING, INC.

1300 S. BEACON ST. SUITE 120

SAN PEDRO, CALIFORNIA 90731

PHONE (213) 833-8700 FAX (213) 832-9411

CHAIN OF CUSTODY RECORD

PROJECT NUMBER 277

PAGE 3 OF 4

PROJECT NAME ANDREW TELLENS 99W VERANO

DATE 1/31/91

Laboratory: NET PACIFIC

Address FLOWERS 1300 BIRCH

| Sample No. / Identification | Sampling | | Sample Type | | | Number of Containers | 8010 / 8015 | 8015 - GAS | 8015 - DIESEL | 8020 / 8025 | 418.1 TPH | 8240 / 8245 | 8080 |
|-----------------------------|----------|------|-------------|-----|-------|----------------------|-------------|------------|---------------|-------------|-----------|-------------|------|
| | Date | Time | LIQ. | AIR | SOLID | | | | | | | | |
| P-1 @ 2' | | 1:40 | | | | | X | | | | X | | X |
| P-1 @ 5' | | 1:45 | | | | | X | | | | X | | X |
| P-1 @ 10' | | 1:50 | | | | | X | | | | X | | X |
| P-1 @ 15' | | 1:55 | | | | | X | | | | X | | X |
| P-1 @ 20' | | 2:00 | | | | | X | | | | X | | X |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| | | | | | |
|---|---|------------------------------------|--|------------------------|---------------------|
| SAMPLED BY: (PRINT) <u>Robert P. ...</u> | SAMPLED BY: (SIGNATURE) <u>Robert P. ...</u> | RECEIVED BY: (PRINT) <u>...</u> | RECEIVED BY: (SIGNATURE) <u>...</u> | DATE <u>1/31/91</u> | TIME <u>3:30</u> |
| RELINQUISHED: (PRINT) <u>Robert P. ...</u> | RELINQUISHED: (SIGNATURE) <u>Robert P. ...</u> | RECEIVED BY: (PRINT) <u>...</u> | RECEIVED BY: (SIGNATURE) <u>...</u> | DATE <u>1/31/91</u> | TIME <u>3:30</u> |
| RELINQUISHED: (PRINT) <u>...</u> | RELINQUISHED: (SIGNATURE) <u>...</u> | LABORATORY (PRINT) <u>NET</u> | LABORATORY (SIGNATURE) <u>...</u> | DATE <u>1/31/91</u> | TIME <u>4:30</u> |

METHOD OF SHIPMENT

SPECIAL INSTRUCTIONS

NOTES



RECEIVED 10/18/90

DIVERSIFIED ANALYTICAL SERVICES

Environmental Laboratory

LABORATORY REPORT

Reference: Active Leak Testing - Andrew Jergens (Project Number 274)
Samples Taken 10/12/90

Test Methods: EPA Method 8015 for Ethanol

Date Received: October 15, 1990

Date Analyzed: October 22 - 24, 1990

Date Reported: October 24, 1990

Note: See attached document for further information.

ANALYTICAL RESULTS
All Results in ppm Unless Otherwise Specified

| Constituent | S-1 | S-2 |
|-------------|-----|------|
| Ethanol | 217 | 55.0 |

< = less than; the number following this sign is the detection limit for that specific constituent.

Respectfully Submitted,

Shawn A. Coleman,
Laboratory Director/
Analytical Chemist



NET Pacific, Inc.

Client Name: Active Leak Testing

Client Ref.: 274 Jergens

NET Job No.: 3602C

Lab Series : 22451-22475

Date Reported: 02-06-91

Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : P1 @ 15 P1 @ 20 S1 @ 2

Lab No. : 22469 22470 22471

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|----------------------------|----------|----------|----------|------|--------|
| METHOD 8080 | | | | | |
| Date Extracted | 01-30-91 | 01-30-91 | 01-30-91 | | |
| Date Analyzed | 02-02-91 | 02-02-91 | 02-02-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| ORGANOCHLORINE PEST. | -- | -- | -- | | |
| Aldrin | ND | ND | ND | 5 | ug/Kg |
| alpha-BHC | ND | ND | ND | 5 | ug/Kg |
| beta-BHC | ND | ND | ND | 5 | ug/Kg |
| delta-BHC | ND | ND | ND | 5 | ug/Kg |
| gamma-BHC (Lindane) | ND | ND | ND | 5 | ug/Kg |
| Chlordane | ND | ND | ND | 10 | ug/Kg |
| 4,4'-DDD | ND | ND | ND | 5 | ug/Kg |
| 4,4'-DDE | ND | ND | ND | 5 | ug/Kg |
| 4,4'-DDT | ND | ND | ND | 5 | ug/Kg |
| Dieldrin | ND | ND | ND | 5 | ug/Kg |
| Endosulfan I | ND | ND | ND | 5 | ug/Kg |
| Endosulfan II | ND | ND | ND | 5 | ug/Kg |
| Endosulfan sulfate | ND | ND | ND | 5 | ug/Kg |
| Endrin | ND | ND | ND | 5 | ug/Kg |
| Endrin aldehyde | ND | ND | ND | 5 | ug/Kg |
| Heptachlor | ND | ND | ND | 5 | ug/Kg |
| Heptachlor epoxide | ND | ND | ND | 5 | ug/Kg |
| Keponc | ND | ND | ND | 5 | ug/Kg |
| Methoxychlor | ND | ND | ND | 5 | ug/Kg |
| Mirex | ND | ND | ND | 5 | ug/Kg |
| Toxaphene | ND | ND | ND | 25 | ug/Kg |
| POLYCHLOR. BIPHENYLS | -- | -- | -- | | |
| Aroclor 1016 | ND | ND | ND | 25 | ug/Kg |
| Aroclor 1221 | ND | ND | ND | 50 | ug/Kg |
| Aroclor 1232 | ND | ND | ND | 50 | ug/Kg |
| Aroclor 1242 | ND | ND | ND | 25 | ug/Kg |
| Aroclor 1248 | ND | ND | ND | 25 | ug/Kg |
| Aroclor 1254 | ND | ND | ND | 25 | ug/Kg |
| Aroclor 1260 | ND | ND | ND | 25 | ug/Kg |
| Surrogate Spike | | | | | |
| 2-Chloronaphthalene | 118 | 92 | 96 | | % Rec. |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 3602C
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : P1 @ 15 P1 @ 20 S1 @ 2

Lab No. : 22469 22470 22471

| ANALYTES/METHOD | RESULTS | | | R.L. | UNITS |
|----------------------------|----------|----------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | | | |
| Date Extracted | 02-04-91 | 02-05-91 | 02-05-91 | | |
| Date Analyzed | 02-04-91 | 02-05-91 | 02-05-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| HALOGENATED VOLATILES | -- | -- | -- | | |
| Bromodichloromethane | ND | ND | ND | 5 | ug/Kg |
| Bromoform | ND | ND | ND | 10 | ug/Kg |
| Bromomethane | ND | ND | ND | 10 | ug/Kg |
| Carbon tetrachloride | ND | ND | ND | 5 | ug/Kg |
| Chlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Chloroethane | ND | ND | ND | 10 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | ND | ND | 10 | ug/Kg |
| Chloroform | ND | ND | ND | 5 | ug/Kg |
| Chloromethane | ND | ND | ND | 10 | ug/Kg |
| Dibromochloromethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,3-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,4-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Dichlorodifluoromethane | ND | ND | ND | 10 | ug/Kg |
| 1,1-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| trans-1,2-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloropropane | ND | ND | ND | 5 | ug/Kg |
| cis-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| trans-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| Methylene chloride | ND | ND | ND | 10 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | 5 | ug/Kg |
| Tetrachloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,1,1-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1,2-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| Trichloroethene | ND | ND | ND | 5 | ug/Kg |
| Trichlorofluoromethane | ND | ND | ND | 10 | ug/Kg |
| Vinyl chloride | ND | ND | ND | 10 | ug/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602C
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : P1 @ 15 P1 @ 20 S1 @ 2

Lab No. : 22469 22470 22471

| ANALYTES/METHOD | | RESULTS | | | R.L. | UNITS |
|--------------------|-----|---------|-----|---|-------|-------|
| AROMATIC VOLATILES | | | | | | |
| Benzene | ND | ND | ND | 5 | ug/Kg | |
| Ethylbenzene | ND | ND | ND | 5 | ug/Kg | |
| Toluene | ND | ND | ND | 5 | ug/Kg | |
| Xylenes, total | ND | ND | ND | 5 | ug/Kg | |
| Surrogate Spike | -- | -- | -- | | | |
| 2-Chlorotoluene | 107 | 103 | 109 | | % Rec | |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 3602C
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : S1 @ 5 S1 @ 10 S1 @ 15

Lab No. : 22472 22473 22474

| ANALYTES/METHOD | RESULTS | R.L. | UNITS |
|---------------------------|---------|------|-------|
| TRPH (non-polar) 418.1 ND | ND ND | 1 | mg/Kg |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 Jergens

NET Job No.: 3602C
Lab Series : 22451-22475

Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

| | | | |
|-------------|--------|---------|---------|
| Sample ID : | S1 @ 5 | S1 @ 10 | S1 @ 15 |
| Lab No. : | 22472 | 22473 | 22474 |

| ANALYTES/METHOD | | RESULTS | | R.L. | UNITS |
|----------------------------|----------|----------|----------|------|--------|
| METHOD 8080 | | | | | |
| Date Extracted | 01-30-91 | 01-30-91 | 01-30-91 | | |
| Date Analyzed | 02-02-91 | 02-02-91 | 02-02-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| ORGANOCHLORINE PEST. | | | | | |
| Aldrin | NO | NO | NO | 5 | ug/Kg |
| alpha-BHC | NO | NO | NO | 5 | ug/Kg |
| beta-BHC | NO | NO | NO | 5 | ug/Kg |
| delta-BHC | NO | NO | NO | 5 | ug/Kg |
| gamma-BHC (Lindane) | NO | NO | NO | 5 | ug/Kg |
| Chlordane | NO | NO | NO | 10 | ug/Kg |
| 4,4'-DDD | NO | NO | NO | 5 | ug/Kg |
| 4,4'-DDE | NO | NO | NO | 5 | ug/Kg |
| 4,4'-DDT | NO | NO | NO | 5 | ug/Kg |
| Dieldrin | NO | NO | NO | 5 | ug/Kg |
| Endosulfan I | NO | NO | NO | 5 | ug/Kg |
| Endosulfan II | NO | NO | NO | 5 | ug/Kg |
| Endosulfan sulfate | NO | NO | NO | 5 | ug/Kg |
| Endrin | NO | NO | NO | 5 | ug/Kg |
| Endrin aldehyde | NO | NO | NO | 5 | ug/Kg |
| Heptachlor | NO | NO | NO | 5 | ug/Kg |
| Heptachlor epoxide | NO | NO | NO | 5 | ug/Kg |
| Kepone | NO | NO | NO | 5 | ug/Kg |
| Methoxychlor | NO | NO | NO | 5 | ug/Kg |
| Mirex | NO | NO | NO | 5 | ug/Kg |
| Toxaphene | NO | NO | NO | 25 | ug/Kg |
| POLYCHLOR. BIPHENYLS | | | | | |
| Aroclor 1016 | NO | NO | NO | 25 | ug/Kg |
| Aroclor 1221 | NO | NO | NO | 50 | ug/Kg |
| Aroclor 1232 | NO | NO | NO | 50 | ug/Kg |
| Aroclor 1242 | NO | NO | NO | 25 | ug/Kg |
| Aroclor 1248 | NO | NO | NO | 25 | ug/Kg |
| Aroclor 1254 | NO | NO | NO | 25 | ug/Kg |
| Aroclor 1260 | NO | NO | NO | 25 | ug/Kg |
| Surrogate Spike | | | | | |
| 2-Chloronaphthalene | 97 | 95 | 91 | | % Rec. |

ND - Not Detected at the Reporting Limit



NET Pacific, Inc.

Client Name: Active Leak Testing
Client Ref.: 274 JergensNET Job No.: 3602C
Lab Series : 22451-22475Date Reported: 02-06-91
Date Received: 01-22-91 1630

Matrix : Soil

Sample ID : SI @ 5 SI @ 10 SI @ 15

Lab No. : 22472 22473 22474

| ANALYTES/METHOD | | RESULTS | | R.L. | UNITS |
|----------------------------|----------|----------|----------|------|-------|
| METHOD 8010/8020 COMB. | | | | | |
| Date Extracted | 02-05-91 | 02-05-91 | 02-05-91 | | |
| Date Analyzed | 02-05-91 | 02-05-91 | 02-05-91 | | |
| Reporting Limit Multiplier | 1 | 1 | 1 | | |
| HALOGENATED VOLATILES | -- | -- | -- | | |
| Bromodichloromethane | ND | ND | ND | 5 | ug/Kg |
| Bromoform | ND | ND | ND | 10 | ug/Kg |
| Bromomethane | ND | ND | ND | 10 | ug/Kg |
| Carbon tetrachloride | ND | ND | ND | 5 | ug/Kg |
| Chlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Chloroethane | ND | ND | ND | 10 | ug/Kg |
| 2-Chloroethylvinyl ether | ND | ND | ND | 10 | ug/Kg |
| Chloroform | ND | ND | ND | 5 | ug/Kg |
| Chloromethane | ND | ND | ND | 10 | ug/Kg |
| Dibromochloromethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,3-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| 1,4-Dichlorobenzene | ND | ND | ND | 5 | ug/Kg |
| Dichlorodifluoromethane | ND | ND | ND | 10 | ug/Kg |
| 1,1-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| trans-1,2-Dichloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,2-Dichloropropane | ND | ND | ND | 5 | ug/Kg |
| cis-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| trans-1,3-Dichloropropene | ND | ND | ND | 5 | ug/Kg |
| Methylene chloride | ND | ND | ND | 10 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | 5 | ug/Kg |
| Tetrachloroethene | ND | ND | ND | 5 | ug/Kg |
| 1,1,1-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| 1,1,2-Trichloroethane | ND | ND | ND | 5 | ug/Kg |
| Trichloroethene | ND | ND | ND | 5 | ug/Kg |
| Trichlorofluoromethane | ND | ND | ND | 10 | ug/Kg |
| Vinyl chloride | ND | ND | ND | 10 | ug/Kg |

ND - Not Detected at the Reporting Limit



ACTIVE LEAK TESTING, INC.
1300 S. BEACON ST. SUITE 120
SAN PEDRO, CALIFORNIA 90731
PHONE (213) 833-8700 FAX (213) 832-9411

CHAIN OF CUSTODY RECORD

NAME ANDREW TERGENS PAGE 1 OF 1
PROJECT NUMBER NO. WORK # 274
PROJECT NAME DATE 10/12/90

Laboratory: DIVERSIFIED ANALYTICAL SERVICES
Address 3732 W. Century Blvd, Unit 3
Inglewood, CA 90303

| Sample No. / Identification | Sampling | | Sample Type | | | Number of Containers | 8010 / 601 | 8015 - GAS | 8015 - DIESEL | 8020 / 602 | 418.1 TPH | 8240 / 624 | 8015 Ethanol | | |
|-----------------------------|----------|------|-------------|-----|-------|----------------------|------------|------------|---------------|------------|-----------|------------|--------------|--|--|
| | Date | Time | LIQ. | AIR | SOLID | | | | | | | | | | |
| S-1/NW end-tank | 10/12/90 | 0945 | | | X | 1 | | | | | | | X | | |
| S-2/SE end-tank | 10/12/90 | 1004 | | | X | 1 | | | | | | | X | | |
| | | | | | | | | | | | | | | | |
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| | | | | | |
|--|---|---|--|------------------|---------------|
| SAMPLED BY: (PRINT) Stephen J. Lijek | SAMPLED BY: (SIGNATURE) <i>Stephen J. Lijek</i> | RECEIVED BY: (PRINT) PATRICIA HARRIS | RECEIVED BY: (SIGNATURE) <i>Patricia Harris</i> | DATE 10/12/90 | TIME 1:35 |
| RELINQUISHED: (PRINT) PATRICIA HARRIS | RELINQUISHED: (SIGNATURE) <i>Patricia Harris</i> | RECEIVED BY: (PRINT) | RECEIVED BY: (SIGNATURE) | DATE | TIME |
| RELINQUISHED: (PRINT) | RELINQUISHED: (SIGNATURE) | LABORATORY (PRINT) Shaun A. Coleman | LABORATORY (SIGNATURE) <i>Shaun A. Coleman</i> | DATE 10/14/90 | TIME 15:27 |

METHOD OF SHIPMENT

Auto, Blue Ice

SPECIAL INSTRUCTIONS

NOTES

APPENDIX D
SOIL MANIFEST

100% NON-HAZARDOUS WASTE MANIFEST

① MANIFEST NUMBER

No. 0218

PRESS HARD

GENERATOR (GENERATOR MUST COMPLETE)

② DESIGNATED TSD FACILITY (AUTHORIZED TO OPERATE UNDER AN APPROVED STATE OR FEDERAL PROGRAM)

④ ALTERNATE TSD FACILITY

③ NAME Andrew Jergens
 EPA NO. WIA
 ADDRESS 89 W. Verdugo Ave.
 CITY, STATE, ZIP CODE Burbank CA 91502
 PHONE NO. 818-846-9822
 ORDER PLACED BY FC ORDER DATE
 CONTRACT NO.

NAME BKK # 497
 EPA NO. N/A
 ADDRESS 2210 S. AZUSA AVE.
 CITY, STATE, ZIP CODE COVINA, CA
 PHONE NO. 818-965-0911

NAME
 EPA NO.
 ADDRESS
 CITY, STATE, ZIP CODE
 PHONE NO.

| (5) U.S. DOT PROPER SHIPPING NAME | CLASS | HAZARD ID. NO. | WEIGHT OR VOLUME | UNITS | CONTAINERS NUMBER |
|-----------------------------------|-------|----------------|------------------|------------|-------------------|
| WASTE <u>None</u> | | | <u>20</u> | <u>YDS</u> | |
| WASTE <u></u> | | | | | |

(6) WASTE CATEGORY (7) EX. HAZ. WASTE PERMIT NO. N/A (8) GENERATING PROCESS Soil Excavation

(9) LIST COMPONENTS

| | CONC. RANGE | UNITS | CONC. RANGE | UNITS |
|-----------------------|-------------|-------|-------------|-------|
| | UPPER | LOWER | UPPER | LOWER |
| A <u>See ANALYSIS</u> | | | | |
| B | | | | |
| C | | | | |
| D | | | | |

(10) WASTE PROPERTIES PH 7.4 ☐ TOXIC ☐ FLAMMABLE ☐ CORROSIVE/IRRITANT ☐ REACTIVE ☐ SENSITIZER ☐ CARCINOGEN/MUTAGEN

(11) PHYSICAL STATE ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ GAS ☐ OTHER

(12) SPECIAL HANDLING INSTRUCTIONS: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ OTHER

GENERATOR CERTIFICATION: THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED & LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND THE EPA.

IN THE EVENT OF A SPILL CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1 800 424 8802

⑬ Allen Wang ENVIR. ENGR. 11-15-90
 SIGNATURE OF AUTHORIZED AGENT & TITLE DATE SHIPPED

TRANSPORTED (HAULER MUST COMPLETE)

⑭ NAME UNITED PUMPING SERVICE, INC.
 EPA NO. CAD072963771
 ADDRESS 14016 EAST VALLEY BOULEVARD
 CITY, STATE, ZIP CODE CITY OF INDUSTRY, CA 91746
 PHONE NO. (818) 961-9326

JOB NO. 15509 ⑮ PICK-UP DATE 11-15-90
 UNIT NO. 25 TIME AM

⑯ Walter Humberto SERRER
 SIGNATURE OF AUTHORIZED AGENT & TITLE

TSD FACILITY BKK LANDFILL
 (TSD FACILITY MUST COMPLETE)
 ⑰ NAME 2210 S. AZUSA AVE.
 EPA NO. W. COVINA, CA 91790
 ⑱ INDICATE ANY SIGNIFICANT DISCREPANCIES BETWEEN MANIFEST AND SHIPMENT (818) 965-0911

⑲ QUANTITY (If Measured) 24.09 ⑳ HANDLING OR DISPOSAL METHOD:
 ㉑ STATE FEE (If Any) \$
☐ SURFACE IMPOUNDMENT ☒ LANDFILL
☐ INJECTION WELL ☐ LAND TREATMENT
☐ TREATMENT (Specify) ☐ RECOVERY OR REUSE ☐ SHIPMENT

㉒ IF WASTE IS HELD FOR DELIVERY ELSEWHERE, SPECIFY THE DESIGNATED TSD FACILITY
 NAME
 EPA NO.

GENERATOR (GENERATOR MUST COMPLETE)**DESIGNATED TSD FACILITY****ALTERNATE TSD FACILITY**
(AUTHORIZED TO OPERATE UNDER AN APPROVED STATE OR FEDERAL PROGRAM)

(1) NAME Andrew Jorgens
 EPA NO. M/K
 ADDRESS 99 W. Verdugo Ave
 CITY, STATE, ZIP CODE Buckhorn CA 91502
 PHONE NO. 610-846-7622
 ORDER PLACED BY _____ ORDER DATE _____
 CONTRACT NO. _____

NAME BKK # 497
 EPA NO. M/K
 ADDRESS 2210 S. ARLING AVE
 CITY, STATE, ZIP CODE CA 91502
 PHONE NO. 610-846-7622

NAME _____
 EPA NO. _____
 ADDRESS _____
 CITY, STATE, ZIP CODE _____
 PHONE NO. _____

| WASTE | CLASS | UN/NA I.D. NO. | WEIGHT OR VOLUME | UNITS | CONTAINERS NUMBER |
|-------|-----------|----------------|------------------|------------|-------------------|
| WASTE | <u>NA</u> | <u>NA</u> | <u>20</u> | <u>IRS</u> | <u>1</u> |
| WASTE | | | | | |

(5) WASTE CATEGORY NA (7) EX HAZ. WASTE PERMIT NO. NA (8) GENERATING PROCESS 612 ENCLAVE
 (9) LIST COMPONENTS: _____ CONC. RANGE _____ UNITS _____
 A See Analysis _____
 B _____
 C _____
 D _____
 (10) WASTE PROPERTIES ☐ PH ☐ TOXIC ☐ FLAMMABLE ☐ CORROSIVE/IRRITANT ☐ REACTIVE ☐ SENSITIZER ☐ CARCINOGEN/MUTAGEN
 (11) PHYSICAL STATE ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ GAS ☐ OTHER _____
 (12) SPECIAL HANDLING INSTRUCTIONS: ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ OTHER _____

GENERATOR CERTIFICATION: THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED & LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION AND THE EPA.

IN THE EVENT OF A SPILL CONTACT THE NATIONAL
 RESPONSE CENTER, U.S. COAST GUARD 1 800 424 8802

(13) Walter Whelan, ENVIRO ENGR
 SIGNATURE OF AUTHORIZED AGENT & TITLE

11-15-91
 DATE SHIPPED

TRANSPORTER (HAULER MUST COMPLETE)

(14) NAME UNITED PUMPING SERVICE, INC.
 EPA NO. CAD072953771
 ADDRESS 14016 EAST VALLEY BOULEVARD
 CITY, STATE, ZIP CODE CITY OF INDUSTRY, CA 91746
 PHONE NO. (818) 961-9326

JOB NO. 13963

(15) PICK-UP DATE 11-15-90

UNIT NO. 27

TIME AM

(16) Keith Lester, Driver
 SIGNATURE OF AUTHORIZED AGENT & TITLE

TSD FACILITY (OPERATOR MUST COMPLETE)

(17) NAME BKK LANDFILL
 EPA NO. _____

(18) QUANTITY (IF MEASUREMENT) 22.24 T

(19) STATE FEE (IF ANY) \$ _____

(20) INDICATE ANY SIGNIFICANT DISCREPANCIES BETWEEN MANIFEST AND SHIPMENT _____

(21) HANDLING OR DISPOSAL METHOD:

☐ SURFACE IMPOUNDMENT ☒ LANDFILL
☐ INJECTION WELL ☐ LAND TREATMENT
☐ TREATMENT (Specify) _____
☐ RECOVERY OR REUSE ☐ STORAGE/TRANSFER

(22) IF WASTE IS HELD FOR DELIVERY ELSEWHERE, SPECIFY THE DESIGNATED TSD FACILITY

NAME _____
 EPA NO. _____

(23)

Joe Martinez
 SIGNATURE OF AUTHORIZED AGENT & TITLE

11-15-91
 DATE SHIPPED

100% NON-HAZARDOUS

WASTE MANIFEST

① MANIFEST NUMBER

No 021893

PRINT CLEARLY.

PRESS HARD

GENERATOR (GENERATOR MUST COMPLETE)

② DESIGNATED TSD FACILITY

(AUTHORIZED TO OPERATE UNDER AN APPROVED STATE OR FEDERAL PROGRAM)

④ ALTERNATE TSD FACILITY

③ NAME Andrew Jereens

EPA NO. N/A

ADDRESS 89 W. Verdugo Ave.

CITY, STATE, ZIP CODE Burbank CA 91502

PHONE NO. 818-846-5822

ORDER PLACED BY P.O. ORDER DATE

CONTRACT NO.

NAME BKK #457

EPA NO. N/A

ADDRESS 2210 J. AZULAVE

CITY, STATE, ZIP CODE CALIFORNIA, CA

PHONE NO. 818-965-0911

NAME

EPA NO.

ADDRESS

CITY, STATE, ZIP CODE

PHONE NO.

⑤ U.S. DOT PROPER SHIPPING NAME

WASTE

WASTE

CLASS

UN/NA I.D. NO.

WEIGHT OR VOLUME

UNITS

CONTAINERS NUMBER

DRUMS

BAGS

CARTONS

DUMP TRUCK

TANK TRUCK

OTHER

⑥ WASTE CATEGORY

⑦ EX. HAZ. WASTE PERMIT NO. N/A

⑧ GENERATING PROCESS SOL EXCAVATION

⑨ LIST COMPONENTS

A See Analysis

B

C

D

CONC. RANGE UPPER LOWER

UNITS

%

PPM

%

PPM

%

PPM

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F

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H

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BY

BZ

CA

CB

CC

CD

CE

CF

CG

CH

CI

CJ

CK

CL

CM

CN

CO

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APPENDIX E
LETTER FROM CRWQCB

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—
LOS ANGELES REGION

101 Centre Plaza Drive
Monterey Park, California 91754-2156
(213) 266-7500



December 19, 1990

Mr. William Crowe
Vice President
Andrew Jergens Company
99 W. Verdugo Ave.
Burbank, CA 91502

SUBSURFACE INVESTIGATION - WELL INVESTIGATION PROGRAM ANDREW
JERGENS COMPANY (FILE NO. 109.0104)

Reference is made to your consultants, Active Leak Testing, Incorporated, Revised Workplan dated November 29, 1990, for Subsurface Investigation at your facility.

We have reviewed and evaluated your revised workplan, and have no objections to your implementing it providing that all work is completed as specified in your proposal, and complies with the additional requirements listed below.

1. Referring to your proposal, soil boring locations, number of borings, number of soil samples, and analytical testing to be employed for soil test boring samples are summarized below as follows.

| <u>Location</u> | <u>No. of Borings</u> | <u>No. of Samples (At Depth)</u> | <u>EPA Analytical Test Method</u> |
|----------------------------|-----------------------|------------------------------------|-----------------------------------|
| Industrial Waste Clarifier | 2 | Centerline, Base, 5, 10 below base | 8010/8020, 418.1 |
| Old Boiler Area | 2 | 1, 5, 10, 15, 20 | 8010/8020, 418.1, 8080 |
| Gas Drum | 1 | 1, 5, 10, 15 | 8010/8020, 418.1 M8015-Diesel |
| Tank Farm Area | 1 | 1, 5, 10 | 8010/8020, 418.1 |

2. Information obtained from Department of Health Services, Environmental Laboratory Accreditation Program (ELAP) indicates that Diversified Analytical Labs is not certified for EPA Methods 8080 and 8015, which were proposed to be employed in your workplan. Hence, we do not recommend Diversified Analytical Labs perform the analysis of soil samples for EPA Methods 8080 and 8015 for this project. Your consultant must provide an alternative testing laboratory to perform these analytical test methods, or provide us with the copy of its certification for EPA Methods 8080 and 8015 (modified), prior to any soil sampling onsite.
3. All soil cuttings generated from drilling operation must be adequately contained onsite, and disposed of properly after analytical test results become available. Plastic sheets covering soil cuttings on the ground is not acceptable containment of these materials.
4. A final report for this project must provide an updated status of the ethanol tank removal, replacement, results of post excavation soil sampling and testing completed, the disposition of contaminated soils excavated, manifests for offsite disposal of these materials, and your proposed cleanup plan.
5. All soil test boring locations must be verified in the field with Regional Board staff and your consultant on the day that drilling commences onsite. Please notify us at least one week prior to commencing any field work so that we can arrange an inspector to be present. Regional Board staff may take duplicate samples as needed.
6. Your workplan proposal contains standard information for the installation of "discovery wells" by Active Leak Testing. Wells of this type have not been required by the Regional Board and are not approved at any location onsite for this subsurface investigation.

Four copies of Final Report containing the subsurface investigation results are due to this Regional Board by February 15, 1991. If you have any questions concerning this matter, please contact Yue Rong at (213) 266-7528.

David Bacharowski

DAVID A. BACHAROWSKI
Environmental Specialist IV

Mr. Crowe
Page 3.

cc: Alisa Greene - USEPA, Region IX
Bill Jones - Los Angeles County, DOHS
Paul Thyomagandalu - City of Burbank, Dept. of Public Works
Insp. Joe Solares - City of Burbank Fire Dept. - FPB
Allen Haig - Andrew Jergens
Stephen Lijek - Active Leak Testing, Inc.

LEAK DETECTION/TANK MONITORING PROGRAM

The Andrew Jergens Company
99 W. Verdugo Avenue
Burbank, California 91502

Prepared By

ESTI Engineering, Inc.
4100 Easton Drive, Suite 1
Bakersfield, CA 93309
(805) 325-8276

October 9, 1987

TABLE OF CONTENTS

- 1.0 General Information
- 2.0 Applicable Documents
- 3.0 Site Geology and Hydrogeology
- 4.0 Monitoring Options
- 5.0 Monitoring Equipment
- 6.0 Boring/Monitoring Wells
- 7.0 Soil/Groundwater Sampling
- 8.0 Tank Integrity Tests

1.0 GENERAL INFORMATION

- 1.1 The facility is operated by The Andrew Jergens Company and located at 99 W. Verdugo Avenue, Burbank, California 91502.
- 1.2 The principal activity at this facility is the manufacture of cosmetic lotions. The facility has been in operation 50+ years.
- 1.3 There are four (4) underground storage tanks located at this facility. Tank information is summarized in Attachment 1.
- 1.4 A plot plan denoting the location of the tanks is attached (Attachment 2).

2.0 APPLICABLE DOCUMENTS

- 2.1 Los Angeles County Department of Public Works, Waste Management Division: Guidelines for the Underground Storage of Hazardous Materials, Chapter 3, Monitoring Requirements, Existing Facilities.

3.0 SITE GEOLOGY & HYDROGEOLOGY

- 3.1 The area is defined as a deep groundwater location with the average depth to groundwater being 40+ ft. The groundwater is flowing in a southwesterly direction.
- 3.2 Additional geology and hydrogeology data will be generated by borings. See attached plot plan for locations of borings (Attachment 3 & 4).

4.0 MONITORING OPTIONS

- 4.1 The tanks at this location will be monitored using the deep groundwater monitoring option 3.2.2 as defined in the regulations.
- 4.2 The monitoring option shall be the following:
 - 1) Vadose Zone Monitoring. A total of eight (8) vapor monitoring wells shall be installed. See attached plot plan for locations.
 - 2) Inventory Reconciliation. Shall be in accordance with Section 3.3.6 and 3.3.7 of the regulations.

- a) Tanks #1, 2, & 3 being used as stand-by fuel with minimum usage, historically twice per year, qualifies under Section 3.3.10 for reconciliation every three (3) days.
 - b) Tank #4 is used daily and qualifies under Section 3.3.6 for daily reconciliation.
- 3) Continuous Pipeline Monitoring will be accomplished by placement of vapor monitoring sensors in monitoring wells. See attached plot plan for locations.
- a) Required on tanks #1, 2, & 3 only.
 - b) Not required on tank #4 due to suction pumping system. Length of underground piping less than ten (10) feet.
- 4) Overfill Protection
- 5) Flow Restriction
- a) Required on tanks #1, 2, & 3 only.
 - b) Not required on tank #4.

5.0 MONITORING EQUIPMENT

- 5.1 The vadose zone monitoring will be accomplished using the Emco Wheaton Leak Sensor II Underground Leak Warning System (or MSA Tankgard) with vapor detection probes in each of the monitoring wells.
- 5.2 Tank gauging for inventory reconciliation shall be accomplished by the "stick" gauging method.
- 5.3 Pipeline monitoring shall be accomplished using Emco Wheaton Leak Sensor II Underground Leak Warning System (or MSA Tankgard) with vapor probes.
- 5.4 Overfill protection will be accomplished by using Emco Wheaton A-1003-001 Over Spill Box.
- 5.5 Flow restriction will be accomplished by using Red Jacket Two-Second Model 116-017 leak detectors.

6.0 BORING/MONITORING WELLS

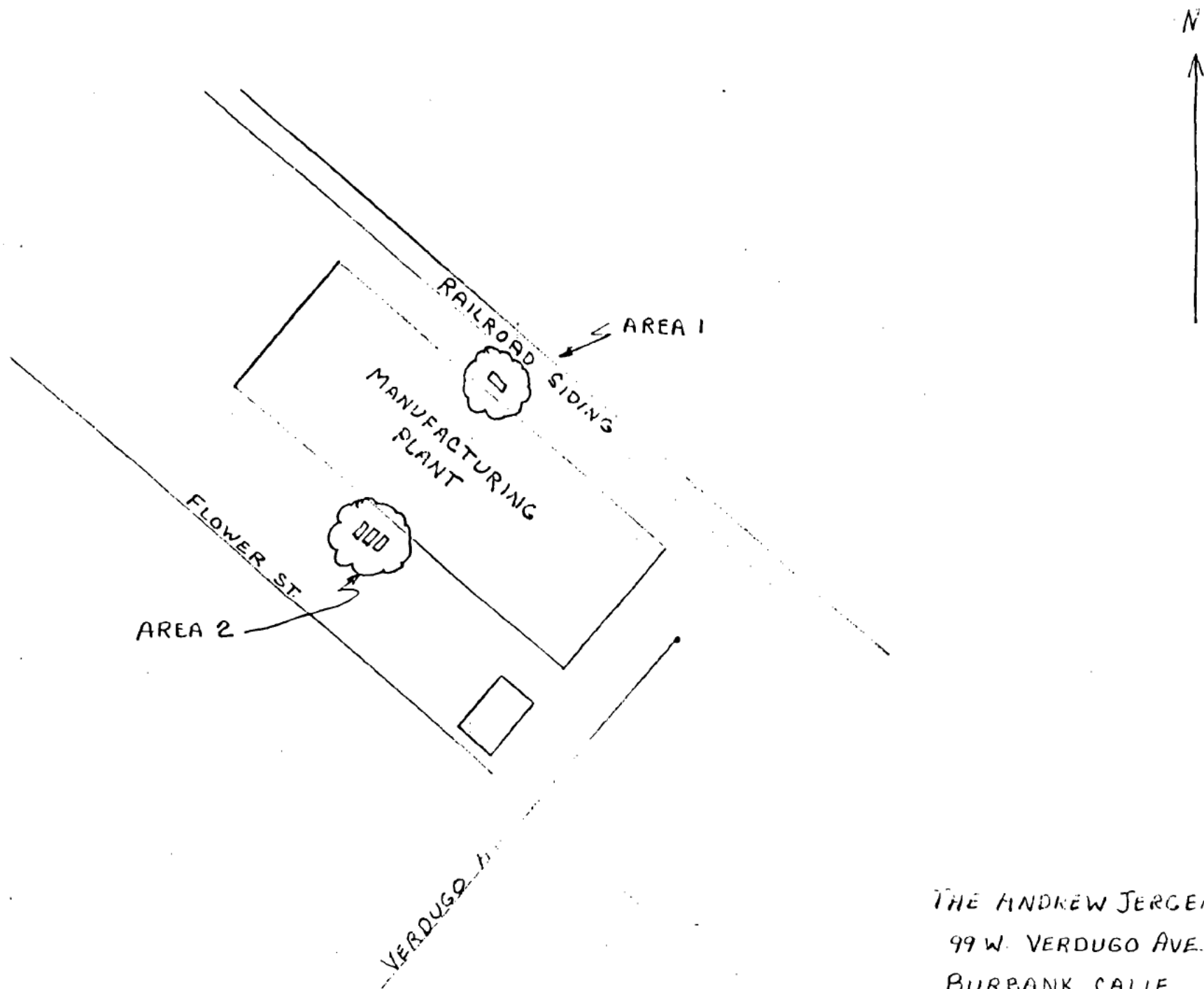
- 6.1** Test borings will be drilled vertically at location shown on the plot plans in accordance with Section 3.10 of the regulations. One of the borings will penetrate to 40 feet.
- 6.2** The test borings will be completed as monitoring wells in accordance with Section 3.4 of the regulations.
- 6.3** All borings shall be logged and described by a California Registered Geologist in accordance with Section 3.8.2 of the regulations.

7.0 SOIL/GROUNDWATER SAMPLING

- 7.1** Soil samples shall be obtained in accordance with Section 3.11 of the regulations.
- 7.2** If groundwater is encountered, a groundwater sample shall be obtained in accordance with Section 3.12 of the regulations.
- 7.3** The samples shall be analyzed by an E.P.A. certified laboratory in accordance with Section 3.13 of the regulations.

8.0 TANK INTEGRITY TESTS

- 8.1** Results of the tank integrity tests were forwarded by letter from the Andrew Jergens Co. dated September 4, 1987. Copies of the tests are attached.



THE ANDREW JERGENS CO.
99 W. VERDUGO AVE.
BURBANK CALIF

ANDREW JERGENS CO.

U N D E R G R O U N D T A N K S U M M A R Y

| Tank # | Size (Gal) | Age (Yrs) | Type of Tank | Present Contents | Past Contents | Pump Type | Usage | Through-Put Gal/Week |
|--------|------------|-----------|--------------|------------------|---------------|-----------|---------------|----------------------|
| 1 | 12,000 | 13 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| 2 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| 3 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| 4 | 6,000 | N/A | Steel | Ethanol | Same | Suction | Manufacturing | 1,500 |

(1) Historic usage - twice yearly, 16 hour duration, total 5,000 gallons/year.

* The tanks have no secondary containment or leak detection system at present.

* The tanks have no cathodic system at present.

* There have been no suspected or detected leaks in Tanks 1, 2, or 4 or the related piping.

Engineering Inc.

November 23, 1987

Mr. Blair Burgess
County of Los Angeles
Waste Management Division
1450 Alcazar Street
Los Angeles, CA 90033

Subject: Leak Detection/Tank Monitoring Program

Ref: Hazardous Materials Underground Storage
Provisional Permit #3144 File No. 011586-3E

Location: Andrew Jergens Company
99 W. Verdugo Avenue
Burbank, CA 91502

In reply to your request dated 11-17-87, the following data is submitted:

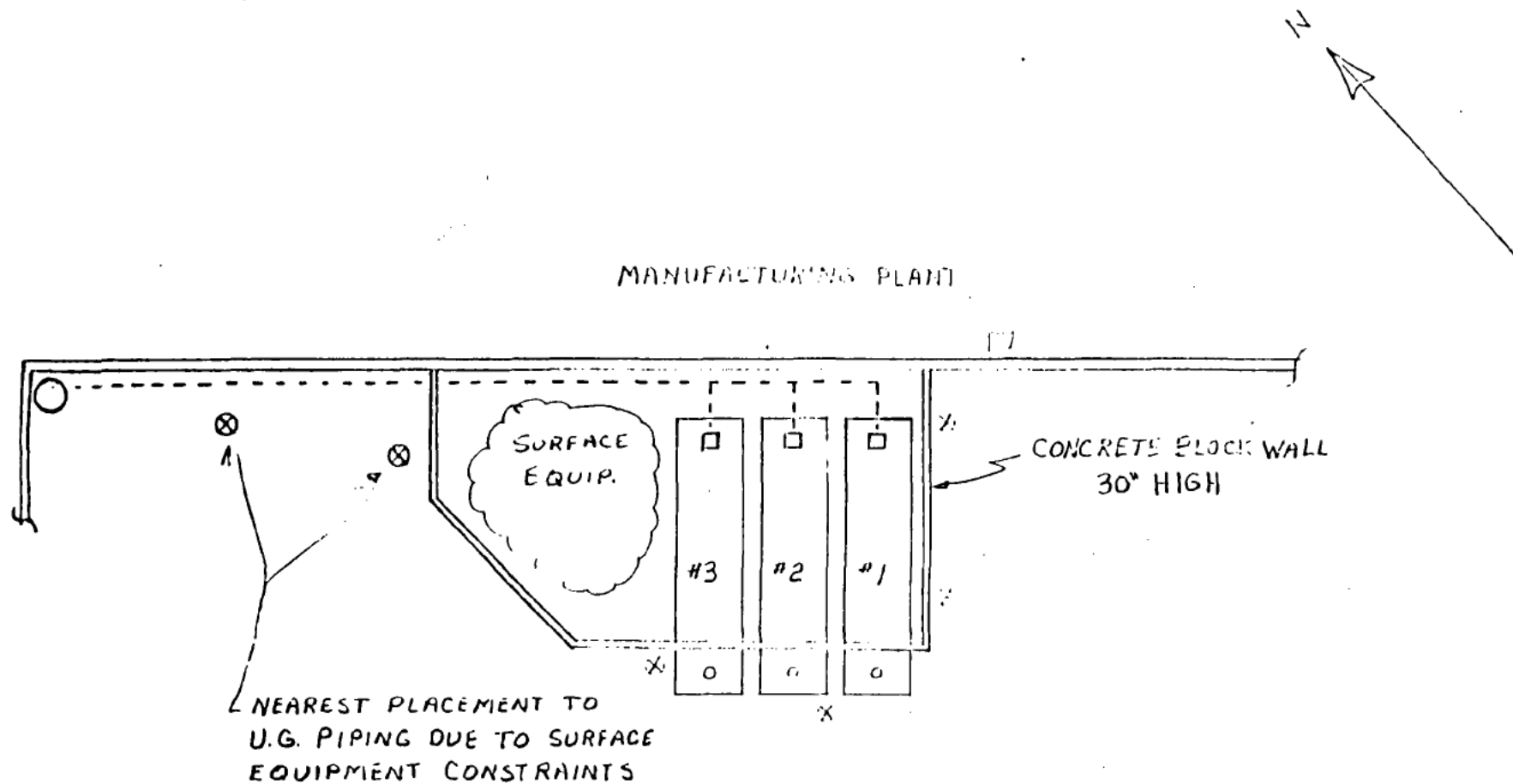
- 1) Plot plan to scale is attached.
- 5) The proposed sample analysis methods are:
 - A) Diesel EPA Method 8015 (Modified)
 - B) Ethanol Gas Chromatograph - FID in Alcohol Column
- 9) Generalized well schematic is attached.
- 18) Location of extensive surface equipment and concrete block wall precludes placement of a monitoring well at the location requested.

Cordially,

Bob McMenamy

Bob McMenamy
Engineering Estimator

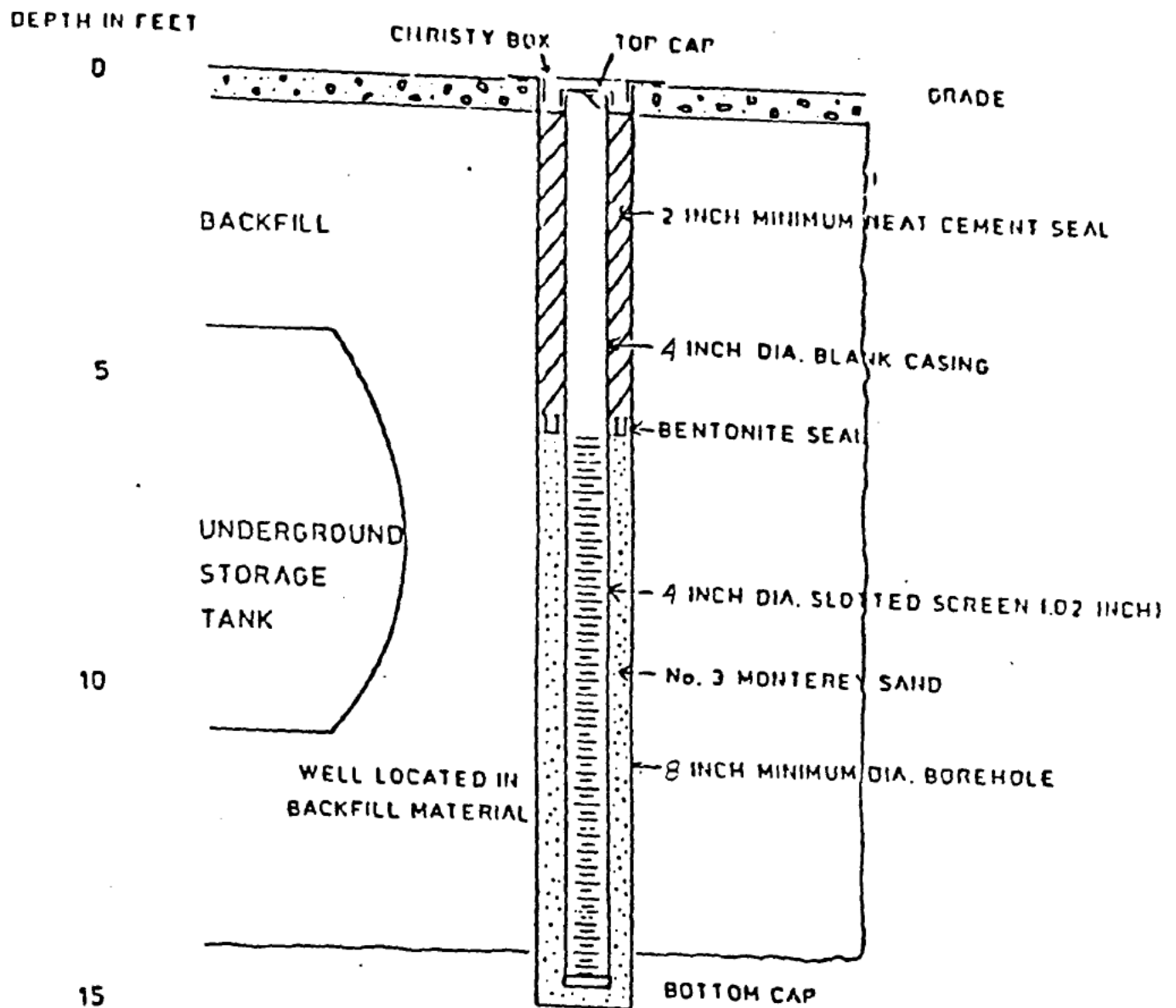
BM/tf



AREA 2

THE ANDREW JERGENS CO

99 W. VERDUGO AVE.
BURBANK CALIF



GENERALIZED WELL SCHEMATIC.

EST/Engineering Inc.

SITE INVESTIGATION
ANDREW JERGENS CO.
BURBANK, CALIFORNIA
AREA 1 (ETHANOL TANK)
FILE NO. I-11586-3E

SITE INVESTIGATION
ANDREW JERGENS CO.
BURBANK, CALIFORNIA
AREA 1 (ETHANOL TANK)
FILE NO. I-11586-3E

WILLIAM H. PARK

REGISTERED GEOLOGIST NO 2271

3040 19TH STREET, SUITE 10
BAKERSFIELD, CALIFORNIA 93301
TELEPHONE (805) 327-9681

July 15, 1988

Mr. Bob McMenamy
c/o ESTI Engineering, Inc.
P. O. Box 10941
Bakersfield, California 93389

Dear Mr. McMenamy:

On March 7, 1988, eight test holes were drilled at the Andrew Jergens Company manufacturing plant located at 99 West Verdugo Avenue, Burbank, California (see Attachment A). The site is located in the northwest quarter of Section 13 and the northeast quarter of Section 14, T.1N., R.14W., S.B.B. & M.

The following underground storage tanks are located on the property: three 12,000 diesel tanks and one 6,500 gallon ethanol tank (see Attachment B). The test holes were drilled in the vicinity of these storage tanks to determine if soil contamination from product leaks exists and to establish monitoring wells in the test holes.

The investigation of this site is divided into two regions, referred to as Area No. 1 and Area No. 2. Area No. 1 is the location of the ethanol tank and Area No. 2 is the location of the three diesel tanks (see Attachment C). This report deals with Area No. 1.

Two test holes were drilled at Area No. 1 and completed as monitoring wells. These test holes are designated M.W. No. 1 and M.W. No. 2. M.W. No. 1 is located about 3 feet northwest of the north corner of the ethanol tank cover (see Attachment D). M.W. No. 2 is located about 26 feet southeast of M.W. No. 1 (see Attachment D).

M.W. No. 1 was drilled to a depth of 40 feet and M.W. No. 2 was drilled to a depth of 20 feet. Soil samples were collected at 5

Mr. Bob McMenamy
c/o ESTI Engineering, Inc.
July 15, 1988
Page 2

foot intervals starting at a depth of 5 feet in each hole. No 5 foot sample was collected from M.W. No. 2 because the loose sediments would not remain in the sampler. Selected samples were transported on ice to a state certified laboratory and analyzed for ethanol content.

The 10, 20, 30, 35, and 40 foot samples from M.W. No. 1 were analyzed and the 15 and 20 foot samples from M.W. No. 2 were analyzed. The following results were reported for the samples listed above from M.W. No. 1: 10 foot--none detected above minimum reporting levels, 20 foot--11,208.00 ppm, 30 foot--41.00 ppm, 35 foot--92.00 ppm, and 40 foot--32.00 ppm. The results of the two samples analyzed from M.W. No. 2 (15 foot and 20 foot) reported none detected above minimum reporting levels. Attachment E lists the results of the chemical analyses and includes the chain of custody record. Attachment F shows the logs of the test holes.

Both of the test holes were completed as monitoring wells. The holes were completed using 2-inch diameter PVC casing which was packed with sand around the slotted intervals and sealed with bentonite and concrete. Attachment G displays schematic diagrams of the monitoring wells.

Based on the results of this investigation, significant ethanol contamination exists in the soil beneath Area No. 1. This contamination appears to be concentrated at a depth of about 20 to 25 feet beneath the location of M.W. No. 1. It is not currently known if the contamination is the result of tank leakage, tank overfilling, product spills during refilling, or product line leakage.

Additional test holes are needed to identify the vertical and horizontal extent and the degree of contamination. It is difficult

Mr. Bob McMenamy
c/o ESTI Engineering, Inc.
July 15, 1988
Page 3

to locate such test holes because the exact location and dimensions of the tank are unknown. The limited space in which to maneuver a drilling rig is an additional complication. Three approaches to acquiring the additional data needed to delineate the extent of contamination are presented below.

The first approach is to drill two or three more test holes based solely on the current knowledge of the site. These holes would be located about the same distance from the manufacturing plant as M.W. Nos. 1 and 2. Two holes would likely to be located between M.W. Nos. 1 and 2 and a third hole would be located northwest of M.W. No. 1.

A second approach is to drill two to three additional holes similar to the first approach except that the test hole locations would be based on additional information regarding the tank's actual location in the ground. This would require probing the subsurface to delineate the exact position of the edges of the tank. Given such information, the test holes could be located closer to the tank and hence, closer to the center of the contamination. Also, with such information available, it may be possible to angle drill beneath the tank.

The third approach is to remove the tank, backfill the excavation, and drill one test hole through the center of the tank's location and two or three test holes off to the sides of the tank's location. The tank's exact location should be accurately plotted subsequent to uncovering the tank and prior to removing it.

In any case, the test holes would be drilled until the maximum depth of contamination is exceeded. Soil samples would be collected at 5 foot intervals starting at a depth of 5 feet. Selected samples would be analyzed by a laboratory.

Mr. Bob McMenamy
c/o ESTI Engineering, Inc.
July 15, 1988
Page 4

The first and second approaches presented may or may not provide enough data to adequately define the vertical and horizontal extent and the degree of contamination at Area No. 1. The deepest part of a contaminant plume associated with an underground storage tank tends to be centered beneath the tank. But neither of these approaches will provide data beneath the tank unless a suitable method of angle drilling can be devised. The third approach would provide the necessary data but at a greater cost.

If you have any questions or if we can be of further service, please feel free to call.



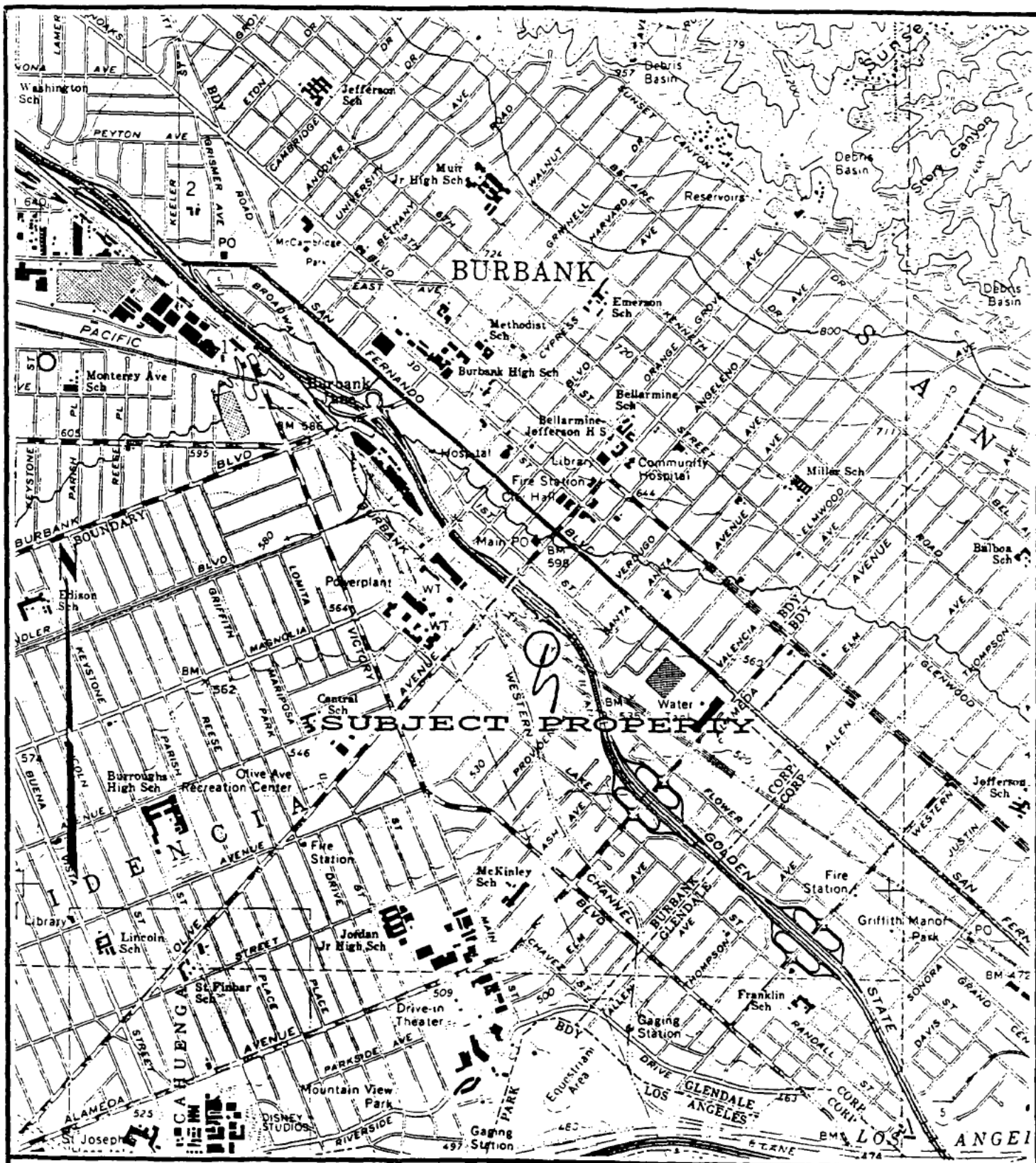
Yours truly,

Duane R. Smith

Duane R. Smith
Registered Geologist
State of California No. 3584

Thomas F. Gutch
Thomas F. Gutch
Assistant Geologist

DRS/TFG/jk



LOCATION MAP
ANDREW JERGENS COMPANY
 99 WEST VERDUGO AVENUE
 BURBANK, CALIFORNIA

SCALE: 1" = 2000'

Source of Base Map: U.S.G.S. Burbank 7½ Minute Quadrangle, 1972.

ANDREW JERGENS CO.

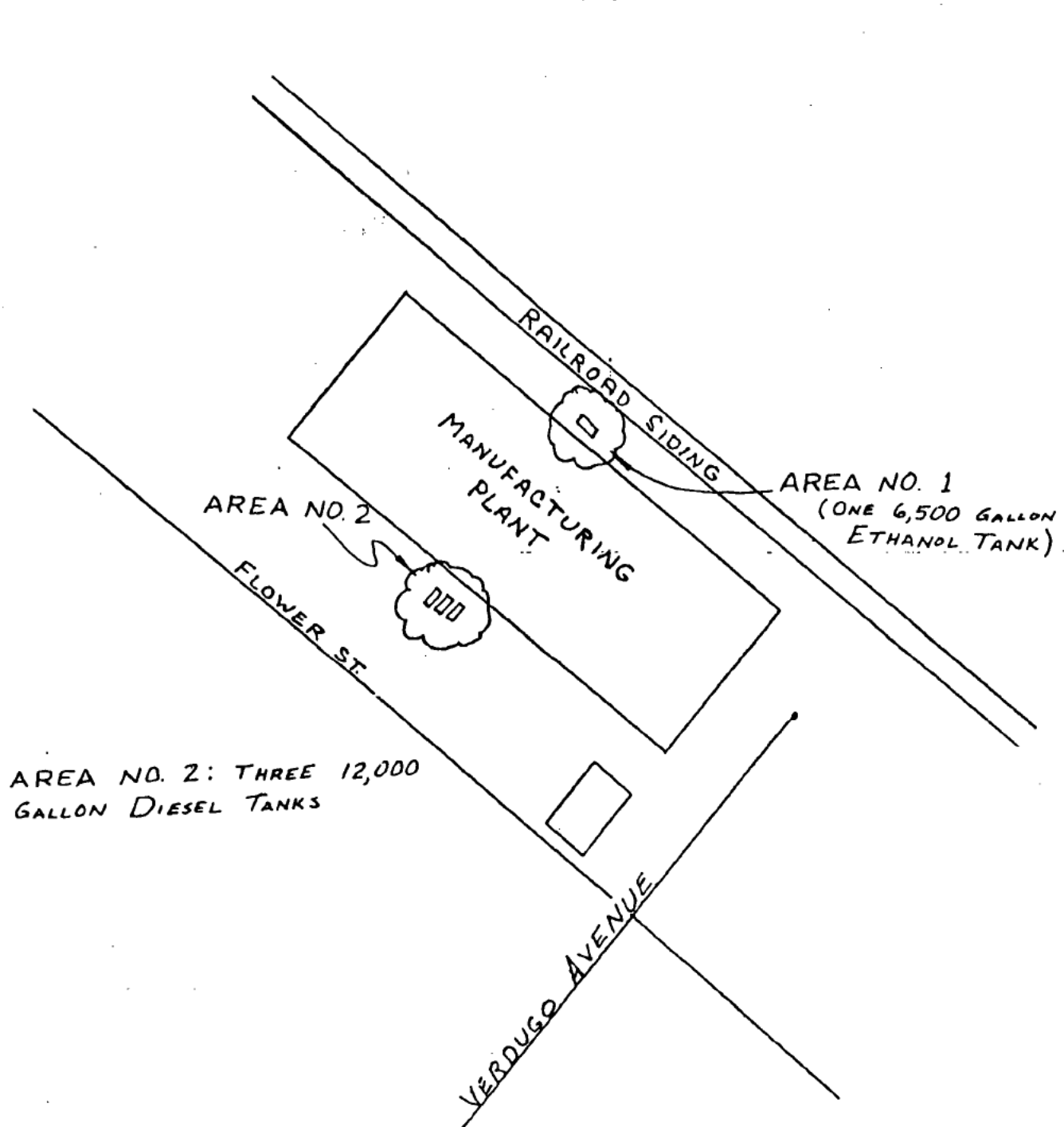
U N D E R G R O U N D T A N K S U M M A R Y

| | Tank # | Size (Gal) | Age (Yrs) | Type of Tank | Present Contents | Past Contents | Pump Type | Usage | Through-Put Gal/Week |
|-------|-----------|---------------|--------------|-----------------|---------------------|------------------|--------------|---------------|-------------------------|
| No. 2 | { 1 | 12,000 | 13 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| | { 2 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| | { 3 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| No. 1 | { 4 | 6,500 | N/A | Steel | Ethanol | Same | Suction | Manufacturing | 1,500 |

(1) Historic usage - twice yearly, 16 hour duration, total 5,000 gallons/year.

- * The tanks have no secondary containment or leak detection system at present.
- * The tanks have no cathodic system at present.
- * There have been no suspected or detected leaks in Tanks 1, 2, or 4 or the related piping.
- * The 6,500 gallon ethanol tank has reportedly been in place since at least 1945.

VICINITY MAP

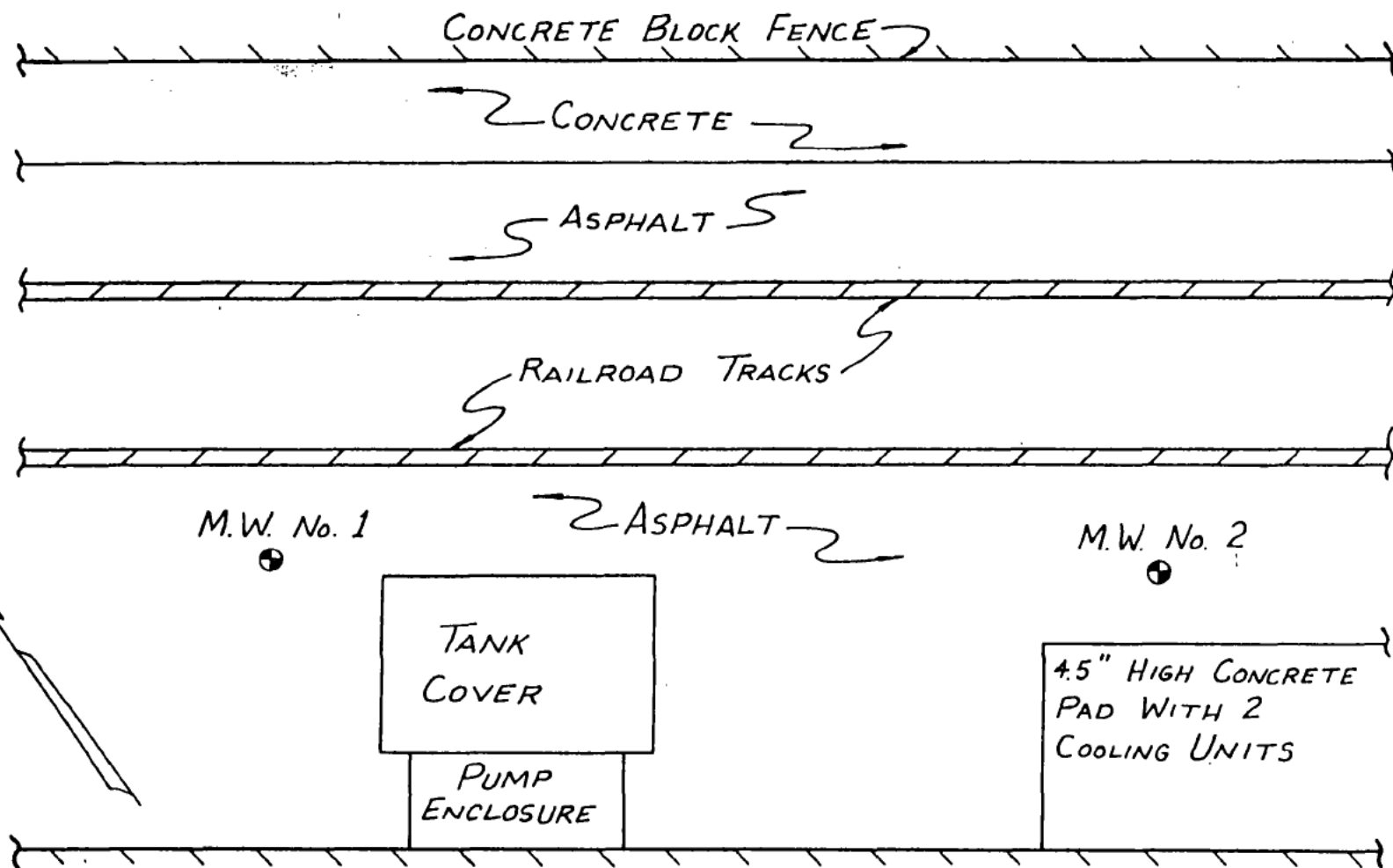


No Scale

AREA NO. 2: THREE 12,000
GALLON DIESEL TANKS

THE ANDREW JERGENS CO.
99 W. VERDUGO AVE.
BURBANK CALIF

SITE MAP - AREA No. 1
ANDREW JERGENS COMPANY



MANUFACTURING PLANT

SCALE: 1" = 5'

TEST HOLE LOCATION - ●

WILLIAM H. PARK AND ASSOCIATES - JULY 1988

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-1

SAMPLE DESCRIPTION:
A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @10'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | none detected | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-2

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @20'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

Constituent

Results, $\mu\text{g/g}$

MRL, $\mu\text{g/g}$

ETHANOL

11208.00

25.00

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-3

SAMPLE DESCRIPTION:
A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @ 30'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

Constituent

Results, $\mu\text{g/g}$

MRL, $\mu\text{g/g}$

ETHANOL

41.00

25.00

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-4

SAMPLE DESCRIPTION:
A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @35'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

Constituent

Results, $\mu\text{g/g}$

MRL, $\mu\text{g/g}$

ETHANOL

92.00

25.00

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-5

SAMPLE DESCRIPTION:
A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @40'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

Constituent

Results, $\mu\text{g/g}$

MRL, $\mu\text{g/g}$

ETHANOL

32.00

25.00

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Rausand
Analyst

AGRICULTURE

MICAL ANALYSIS

PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-6

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #2 @ 15'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | none detected | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-7

SAMPLE DESCRIPTION:
A. JERGENS CO 99 W VERDUGO, BURBANK
MW #2 @ 20'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

Constituent

Results, $\mu\text{g/g}$

MRL, $\mu\text{g/g}$

ETHANOL

none detected

25.00

Comments:

By

J. J. Eglin
J. J. Eglin

Robert R. Rains
Analyst

Bill to ESTI-Job#87148
CHAIN OF CUSTODY RECORD-SAMPLE ANALYSIS REQUEST

PROJ. NO.

PROJECT NAME

Location of Sampling: A. Jergens Co., 99 W. Verdugo, Burbank

Collector Tom Gutcher Date Sampled 3/7/88 Time a.m. hours

Affiliation of Sampler W. H. Park and Associates

Address 3040 19th St. Bakersfield, CA 93301
number street city state zip

Telephone (805) 327-9681 Company Contact Tom

Quantity
Container Type

COLLECTOR'S
SAMPLE NO.

TYPE OF
SAMPLE*

FIELD INFORMATION**

brass ring MW# 1 soil 10', 20', 30', 35', 40'

brass ring MW# 2 soil 15', 20'

MATERIAL SAMPLED soil near 6,500 gallon ethanol tank

DEPTH 10' to 40' METHOD OF SAMPLING split spoon
(THIEF, COREHOLE, ETC.)

Analysis Requested Gas Chromatograph - FID in
alcohol column per clients proposal

Test Method

Preservation methods:

keep cold until analyzed

* Indicate whether sample is soil, sludge, etc.

** Use back of page for additional information relative to sample location

Sample Receiver:

1. B. C. Laboratories

name and address of organization receiving sample

contact: Mr. Blair Burgess, County of L.A.

Waste Management Division

1450 Alcazar St., L.A. 90033

#1812-1-11117

Chain of Possession:

1. Tom Gutcher Geologist 3/7/88-3/8/88
signature title inclusive dates

2. Jean Malthe 3-8-88
signature title inclusive dates

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 1

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Analysis For Ethanol (ppm) | Lithologic Description |
|-----------------|----------------------|------------------|---------------------------|-------------------------------------|---|
| | | | | | |
| 0 | | | | | |
| 5 | | * | 0 | | Silt, dark brown, poorly indurated, moist, no odor. |
| 10 | | ⊙ | 0 | None Detected | Silt, greenish-grey, sandy, fine to coarse grained, poorly indurated, moist, no odor. |
| 15 | | * | 3 | | Gravelly, slight odor. |
| 20 | | ⊙ | 110 | 11,208.00 | Brown, odor. |
| 25 | | * | 80 | | Coarser, odor. |
| 30 | | ⊙ | 15 | 41.00 | Gravelly, odor. |
| 35 | | ⊙ | 0 | 92.00 | Slight odor. |
| 40 | | ⊙ | 0 | 32.00 | Sand, tan, fine to very coarse grained, gravelly, loose, slight odor. |

T.D. - 40'

* - Sample Location ⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 2

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | ppm gasoline | ppm diesel | Lithologic Description |
|-------------------|---------------|---------------------|------------------------------|--------------|------------|--|
| | | | | | | |
| 0 | | | Analysis For Ethanol (ppm) | | | |
| 5 | | | | | | No recovery. |
| 10 | * | 0 | | | | Silt, brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor. |
| 15 | ⊙ | 0 | None Detected | | | No odor. |
| 20 | ⊙ | 0 | None Detected | | | Fine to coarse grained, gravelly, dry, no odor. |
| 25 | | | | | | |
| 30 | | | | | | |
| 35 | | | | | | |
| 40 | | | | | | |

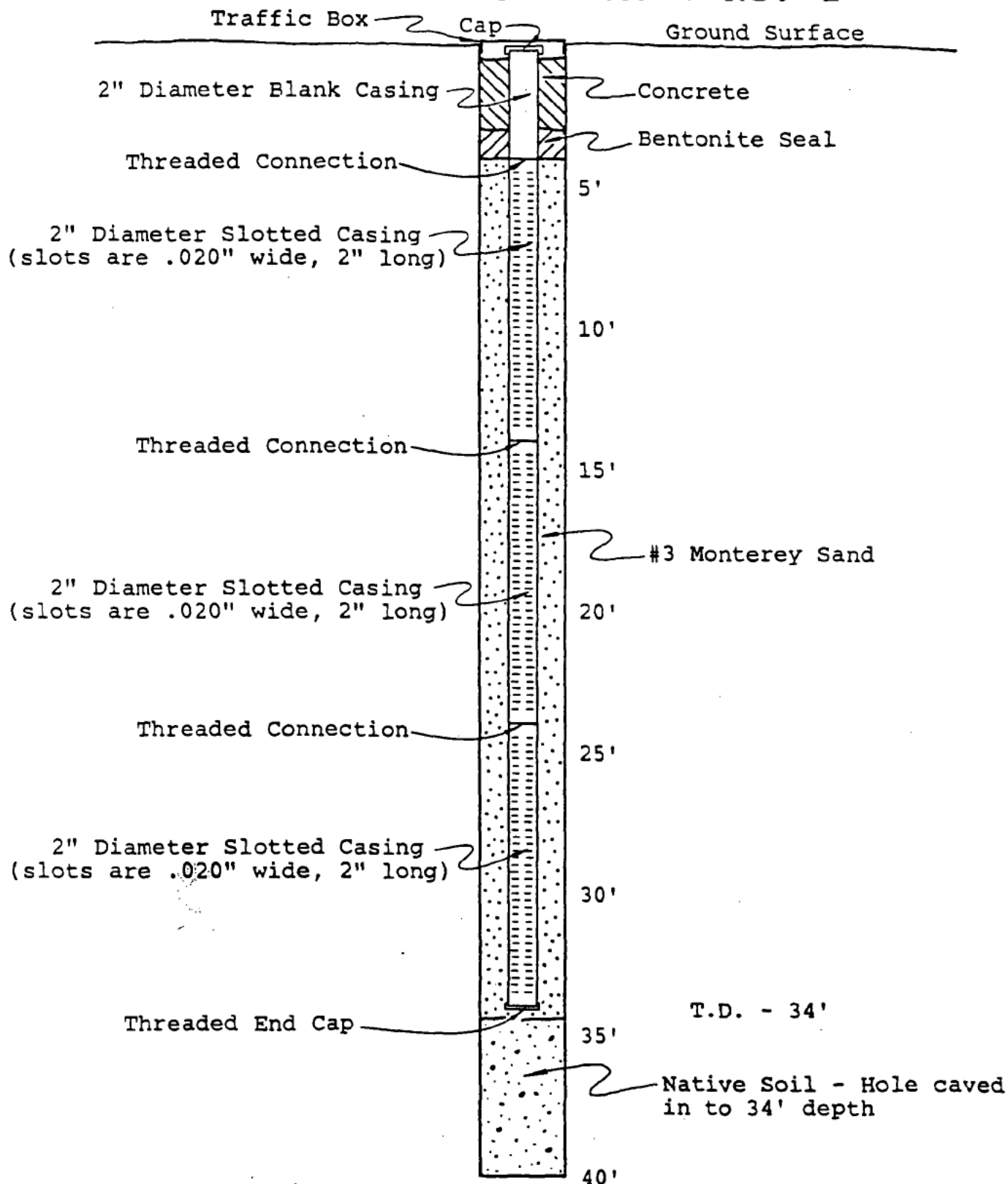
T.D. - 20'

* - Sample Location

⊙ - Sample Analyzed

SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 1



SCALE: Vertical 1" = 5' Horizontal 1" = 10"

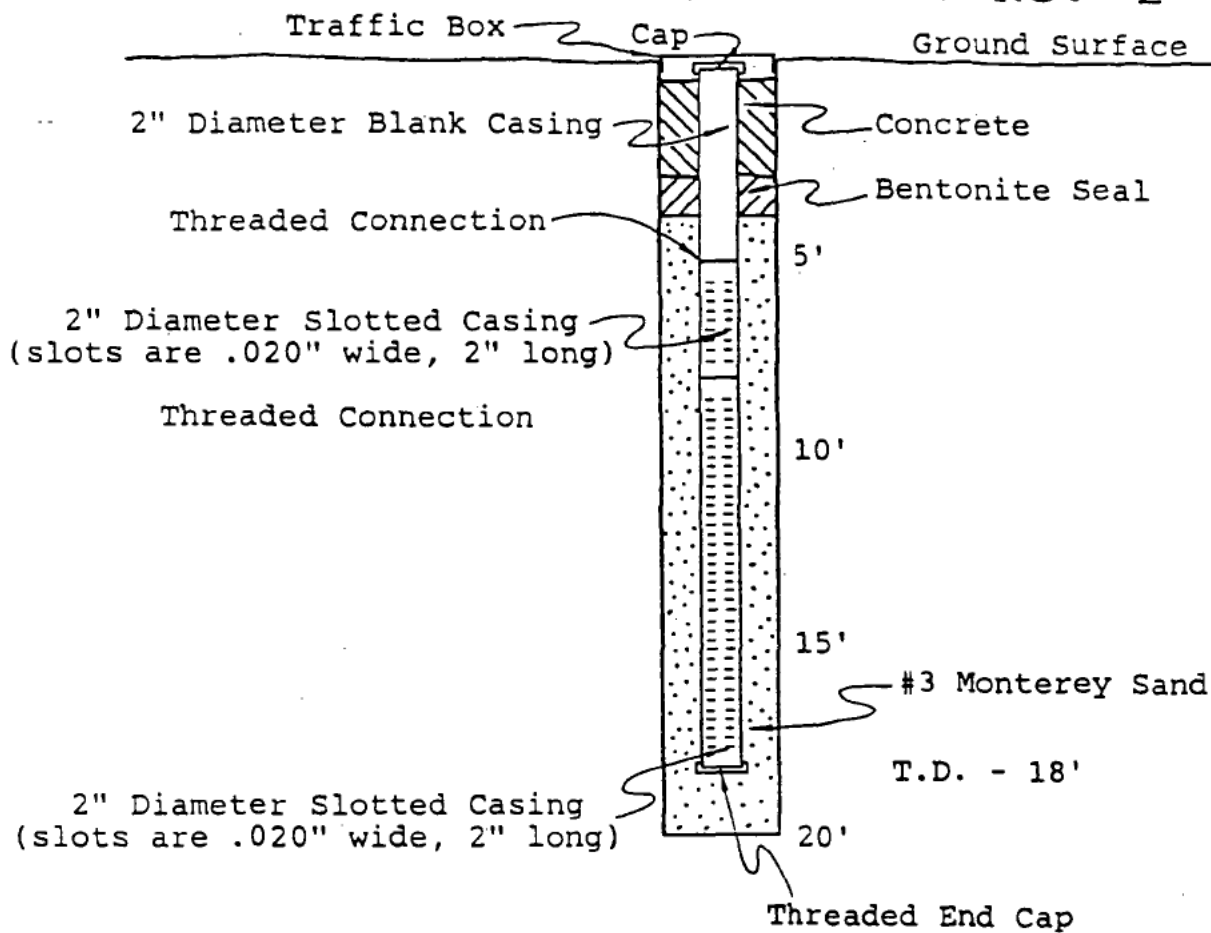
W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL

ANDREW JERGENS COMPANY

BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 2



SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - JULY 1988

EST/Engineering Inc.

SITE INVESTIGATION
ANDREW JERGENS CO.
BURBANK, CALIFORNIA
AREA 2 (DIESEL TANKS)
FILE NO. I-11586-3E

SITE INVESTIGATION
ANDREW JERGENS CO.
BURBANK, CALIFORNIA
AREA 2 (DIESEL TANKS)
FILE NO. I-11586-3E

WILLIAM H. PARK

REGISTERED GEOLOGIST NO 2271

3040 19TH STREET, SUITE 10
BAKERSFIELD, CALIFORNIA 93301
TELEPHONE (805) 327-9681

July 26, 1988

Mr. Bob McMenamy
c/o ESTI Engineering, Inc.
P. O. Box 10941
Bakersfield, California 93389

Dear Mr. McMenamy:

On March 7, 1988, eight test holes were drilled at the Andrew Jergens Company manufacturing plant located at 99 West Verdugo Avenue, Burbank, California (see Attachment A). The site is located in the northwest quarter of Section 13 and the northeast quarter of Section 14, T.1N., R.14W., S.B.B. & M.

The following underground storage tanks are located on the property: three 12,000 diesel tanks and one 6,500 gallon ethanol tank (see Attachment B). The test holes were drilled in the vicinity of these storage tanks to determine if soil contamination from product leaks exists and to establish monitoring wells in the test holes.

The investigation of this site is divided into two regions, referred to as Area No. 1 and Area No. 2. Area No. 1 is the location of the ethanol tank and Area No. 2 is the location of the three diesel tanks (see Attachment C). This report deals with Area No. 2.

Six test holes were drilled at Area No. 2 and completed as monitoring wells. These test holes are designated M.W. Nos. 3 through 8. M.W. Nos. 3 through 6 were drilled around the diesel tank cluster and M.W. Nos. 7 and 8 were drilled near

Mr. Bob McMenamy
c/o ESTI Engineering, Inc.
July 26, 1988
Page 2

the product lines (see Attachment D). Surface equipment and underground piping at Area No. 2 prevented drilling to the northwest and northeast of the tank cluster. The locations of M.W. Nos. 7 and 8 were similarly constrained.

M.W. Nos. 3 through 6 were drilled to a depth of 20 feet each and M.W. Nos. 7 and 8 were drilled to a depth of 7 feet each. Soil samples were collected at 5 foot intervals starting at a depth of 5 feet from M.W. Nos. 3 through 6. Soil samples were collected at a depth of 7 feet from M.W. Nos. 7 and 8. Selected samples were transported on ice to a state certified laboratory and analyzed for B.T.X. and T.P.H. diesel.

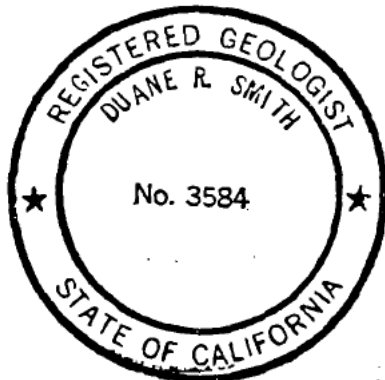
The following soil samples were submitted for analyses: M.W. No. 3 - 20 feet, M.W. No. 4 - 15 feet, M.W. No. 5 - 20 feet, M.W. No. 6 - 15 feet, M.W. No. 7 - 7 feet, and M.W. No. 8 - 7 feet. No B.T.X. or T.P.H. diesel was detected in any of these samples. Also, field screening did not indicate the presence of diesel contamination in any of the soil samples. Attachment E lists the results of the chemical analyses and includes the chain of custody record. Attachment F shows the logs of the test holes.

All six of the test holes were completed as monitoring wells. The holes were completed using 2-inch diameter PVC casing which was packed with sand around the slotted intervals and sealed with bentonite and concrete. Attachment G displays schematic diagrams of the monitoring wells.

Based on the results of this investigation, no significant diesel contamination exists in the soil beneath Area No. 2 and no mitigation measures are deemed necessary.

Mr. Bob McMenamy
c/o ESTI Engineering, Inc.
July 26, 1988
Page 3

If you have any questions or if we can be of further service,
please feel free to call.



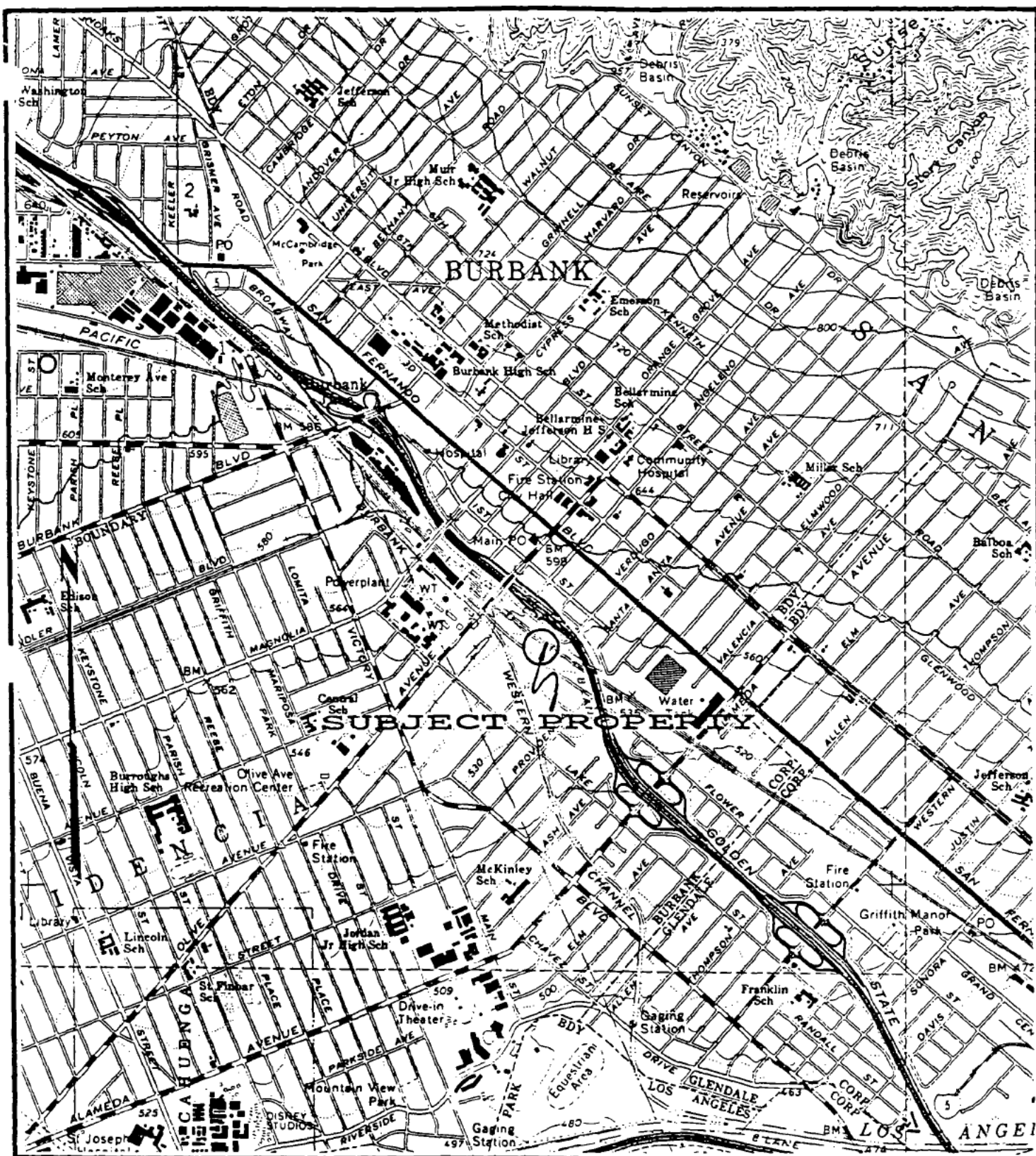
Yours truly,

Duane R. Smith

Duane R. Smith
Registered Geologist
State of California No. 3584

Thomas F. Gutch
Thomas F. Gutch
Assistant Geologist

DRS/TFG/jk



LOCATION MAP

ANDREW JERGENS COMPANY
99 WEST VERDUGO AVENUE
BURBANK, CALIFORNIA

SCALE: 1" = 2000'

Source of Base Map: U.S.G.S. Burbank 7½ Minute Quadrangle. 1972.

ANDREW JERGENS CO.

U N D E R G R O U N D T A N K S U M M A R Y

| | Tank # | Size (Gal) | Age (Yrs) | Type of Tank | Present Contents | Past Contents | Pump Type | Usage | Through-Put Gal/Week |
|----------|--------|------------|-----------|--------------|------------------|---------------|-----------|---------------|----------------------|
| ea No. 2 | { 1 | 12,000 | 13 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| | { 2 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| | { 3 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| ea No. 1 | { 4 | 6,500 | N/A | Steel | Ethanol | Same | Suction | Manufacturing | 1,500 |

(1) Historic usage - twice yearly, 16 hour duration, total 5,000 gallons/year.

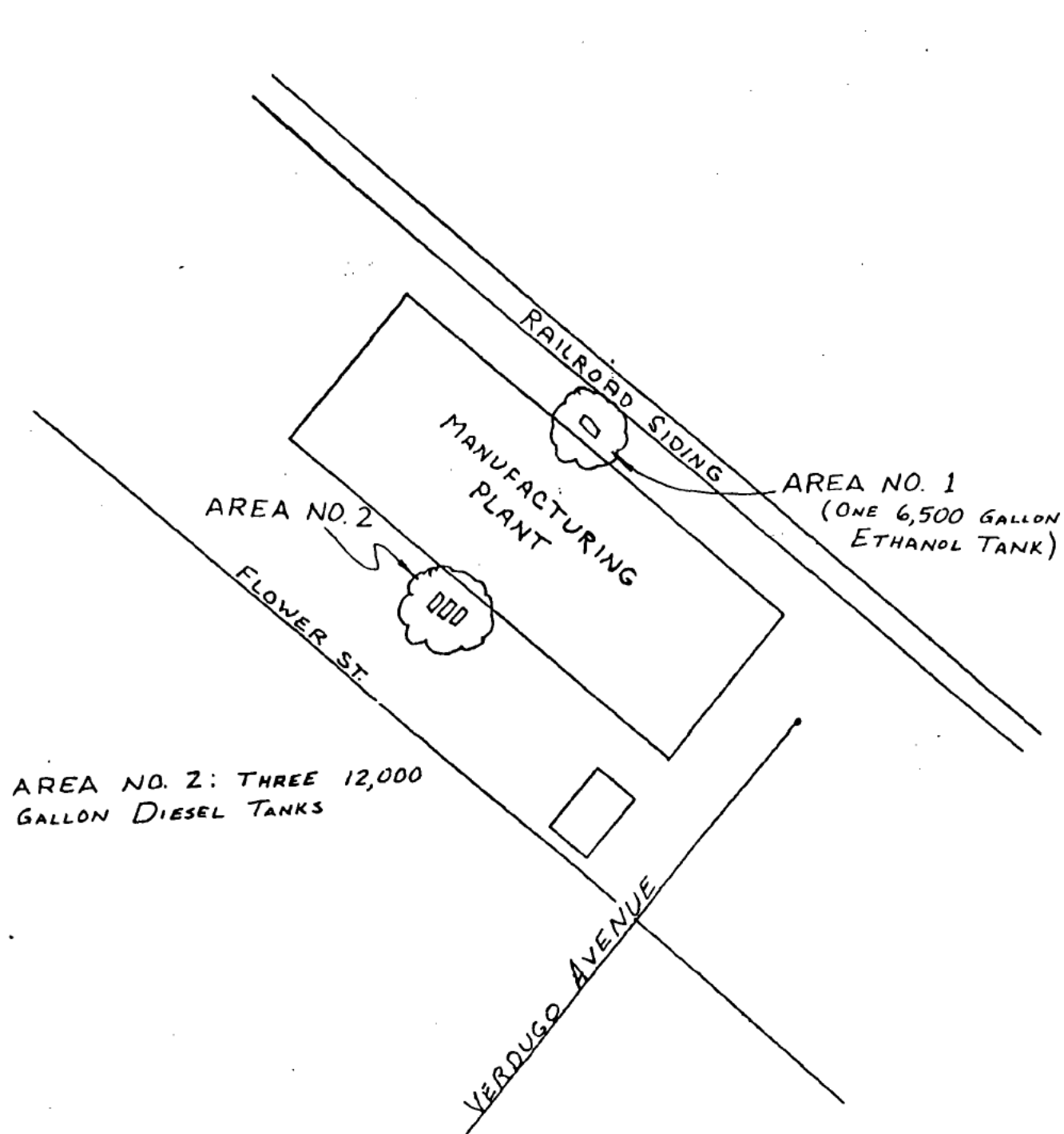
* The tanks have no secondary containment or leak detection system at present.

* The tanks have no cathodic system at present.

* There have been no suspected or detected leaks in Tanks 1, 2, or 4 or the related piping.

* The 6,500 gallon ethanol tank has reportedly been in place since at least 1945.

VICINITY MAP

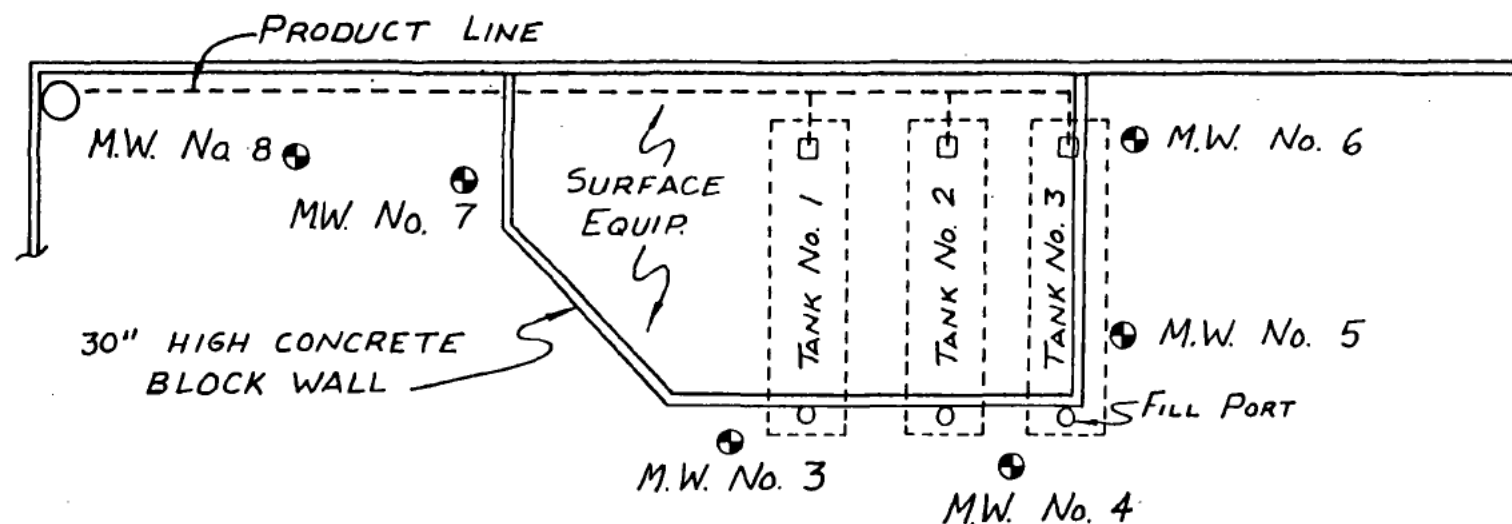


No Scale

THE ANDREW JERGENS CO.
99 W. VERDUGO AVE.
BURBANK CALIF

SITE MAP - AREA No. 2
ANDREW JERGENS COMPANY

MANUFACTURING PLANT



SCALE: 1" = 20'
TEST HOLE LOCATION - ⊕

W. H. PARK AND ASSOCIATES - JULY 1988

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389
Attention: TIM BROWN

Date of
Report: 15-Mar-88

Lab No.: 1813-1
Sample Desc.: A. JERGENS CO. BURBANK
MW #3 @20'

DATE SAMPLE
COLLECTED:
09-Mar-88

DATE SAMPLE
RECEIVED @ LAB:
09-Mar-88

DATE ANALYSIS
COMPLETED:
14-Mar-88

| Constituent | Reporting Units | Analysis Results | Minimum Reporting Level |
|----------------------------|--------------------|---------------------|-------------------------------|
| Benzene | ug/g | None Detected | 0.10 |
| Toluene | ug/g | None Detected | 0.10 |
| Ethyl Benzene | ug/g | None Detected | 0.10 |
| p-Xylene | ug/g | None Detected | 0.10 |
| m-Xylene | ug/g | None Detected | 0.10 |
| o-Xylene | ug/g | None Detected | 0.10 |
| Isopropyl Benzene | ug/g | None Detected | 0.10 |
| Petroleum Hydrocarbons | ug/g | None Detected | 10.00 |
| Total Pet. Hydrocarbons | ug/g | None Detected | 0.10 |

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel
Dry Matter Basis

Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

By

J. J. Eglin

Robert Blum
Robert Blum

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389
Attention: TIM BROWN

Date of
Report: 15-Mar-88

Lab No.: 1813-2
Sample Desc.: A. JERGENS CO. BURBANK
MW #4 @15'

DATE SAMPLE
COLLECTED:
09-Mar-88

DATE SAMPLE
RECEIVED @ LAB:
09-Mar-88

DATE ANALYSIS
COMPLETED:
14-Mar-88

| Constituent | Reporting Units | Analysis Results | Minimum Reporting Level |
|----------------------------|--------------------|---------------------|-------------------------------|
| Benzene | ug/g | None Detected | 0.10 |
| Toluene | ug/g | None Detected | 0.10 |
| Ethyl Benzene | ug/g | None Detected | 0.10 |
| p-Xylene | ug/g | None Detected | 0.10 |
| m-Xylene | ug/g | None Detected | 0.10 |
| o-Xylene | ug/g | None Detected | 0.10 |
| Isopropyl Benzene | ug/g | None Detected | 0.10 |
| Petroleum Hydrocarbons | ug/g | None Detected | 10.00 |
| Total Pet. Hydrocarbons | ug/g | None Detected | 0.10 |

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel
Dry Matter Basis

Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

By

J. J. Eglin

Robert Plaisance
Robert Plaisance

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389
Attention: TIM BROWN

Date of
Report: 15-Mar-88

Lab No.: 1813-3
Sample Desc.: A. JERGENS CO. BURBANK
MW #5 @20'

DATE SAMPLE
COLLECTED:
09-Mar-88

DATE SAMPLE
RECEIVED @ LAB:
09-Mar-88

DATE ANALYSIS
COMPLETED:
14-Mar-88

| Constituent | Reporting Units | Analysis Results | Minimum Reporting Level |
|---------------|--------------------|---------------------|-------------------------------|
| Benzene | ug/g | None Detected | 0.10 |
| Toluene | ug/g | None Detected | 0.10 |
| Ethyl Benzene | ug/g | None Detected | 0.10 |
| p-Xylene | ug/g | None Detected | 0.10 |
| m-Xylene | ug/g | None Detected | 0.10 |
| o-Xylene | ug/g | None Detected | 0.10 |
| Isopropyl | | | |
| Benzene | ug/g | None Detected | 0.10 |
| Petroleum | | | |
| Hydrocarbons | ug/g | None Detected | 10.00 |
| Total Pet. | | | |
| Hydrocarbons | ug/g | None Detected | 0.10 |

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel
Dry Matter Basis

Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

By

J. J. Eglin

Robert Blinn

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389
Attention: TIM BROWN

Date of
Report: 15-Mar-88

Lab No.: 1813-4
Sample Desc.: A. JERGENS CO. BURBANK
MW #6 @15'

DATE SAMPLE
COLLECTED:
09-Mar-88

DATE SAMPLE
RECEIVED @ LAB:
09-Mar-88

DATE ANALYSIS
COMPLETED:
14-Mar-88

| Constituent | Reporting Units | Analysis Results | Minimum Reporting Level |
|----------------------------|--------------------|---------------------|-------------------------------|
| Benzene | ug/g | None Detected | 0.10 |
| Toluene | ug/g | None Detected | 0.10 |
| Ethyl Benzene | ug/g | None Detected | 0.10 |
| p-Xylene | ug/g | None Detected | 0.10 |
| m-Xylene | ug/g | None Detected | 0.10 |
| o-Xylene | ug/g | None Detected | 0.10 |
| Isopropyl Benzene | ug/g | None Detected | 0.10 |
| Petroleum Hydrocarbons | ug/g | None Detected | 10.00 |
| Total Pet. Hydrocarbons | ug/g | None Detected | 0.10 |

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel
Dry Matter Basis

Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Robert Plaisance

AGRICULTURE

CHEMICAL ANALYSIS

PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389
Attention: TIM BROWNDate of
Report: 15-Mar-88Lab No.: 1813-5
Sample Desc.: A. JERGENS CO. BURBANK
MW #7 @7'DATE SAMPLE
COLLECTED:
09-Mar-88DATE SAMPLE
RECEIVED @ LAB:
09-Mar-88DATE ANALYSIS
COMPLETED:
14-Mar-88

| Constituent | Reporting Units | Analysis Results | Minimum Reporting Level |
|---------------|--------------------|---------------------|-------------------------------|
| Benzene | ug/g | None Detected | 0.10 |
| Toluene | ug/g | None Detected | 0.10 |
| Ethyl Benzene | ug/g | None Detected | 0.10 |
| p-Xylene | ug/g | None Detected | 0.10 |
| m-Xylene | ug/g | None Detected | 0.10 |
| o-Xylene | ug/g | None Detected | 0.10 |
| Isopropyl | | | |
| Benzene | ug/g | None Detected | 0.10 |
| Petroleum | | | |
| Hydrocarbons | ug/g | None Detected | 10.00 |
| Total Pet. | | | |
| Hydrocarbons | ug/g | None Detected | 0.10 |

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel
Dry Matter Basis

Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons
present (C1 to C30) utilizing a diesel factor. As outlined by
the California D.O.H.S. These petroleum hydrocarbons are in
addition to the constituents specifically defined on this report.TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorin-
ated] constituents on this report.

By

*J. J. Eglin**Robert Blaine*

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389
Attention: TIM BROWN

Date of
Report: 15-Mar-88

Lab No.: 1813-6
Sample Desc.: A. JERGENS CO. BURBANK
MW #8 @7'

DATE SAMPLE
COLLECTED:
09-Mar-88

DATE SAMPLE
RECEIVED @ LAB:
09-Mar-88

DATE ANALYSIS
COMPLETED:
14-Mar-88

| Constituent | Reporting Units | Analysis Results | Minimum Reporting Level |
|---------------|--------------------|---------------------|-------------------------------|
| Benzene | ug/g | None Detected | 0.10 |
| Toluene | ug/g | None Detected | 0.10 |
| Ethyl Benzene | ug/g | None Detected | 0.10 |
| p-Xylene | ug/g | None Detected | 0.10 |
| m-Xylene | ug/g | None Detected | 0.10 |
| o-Xylene | ug/g | None Detected | 0.10 |
| Isopropyl | | | |
| Benzene | ug/g | None Detected | 0.10 |
| Petroleum | | | |
| Hydrocarbons | ug/g | None Detected | 10.00 |
| Total Pet. | | | |
| Hydrocarbons | ug/g | None Detected | 0.10 |

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel
Dry Matter Basis

Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Robert Plaisance

Bill to ESTI-Job#87148
CHAIN OF CUSTODY RECORD - SAMPLE ANALYSIS REQUEST
Location of Sampling: A. Jergens Co., 99 W. Verdugo, Burbank
Collector Tom Gutcher Date Sampled 3/17/88 Time p.m. hours
Affiliation of Sampler W.H. Park and Associates
Address 3040 19th St. Bakersfield, CA 93301
number street city State zip
Telephone (805) 327-9681 Company Contact Tom

| Quantity | COLLECTOR'S | TYPE OF | FIELD INFORMATION** |
|-------------------|-------------|-------------|---------------------|
| Container Type | SAMPLE NO. | SAMPLE* | |
| <u>grass ring</u> | <u>MW#3</u> | <u>soil</u> | <u>20'</u> |
| <u>grass ring</u> | <u>MW#4</u> | <u>soil</u> | <u>15'</u> |
| <u>grass ring</u> | <u>MW#5</u> | <u>soil</u> | <u>20'</u> |
| <u>grass ring</u> | <u>MW#6</u> | <u>soil</u> | <u>15'</u> |

MATERIAL SAMPLED soil near 3-12,000 gallon diesel tanks
DEPTH 15'-20' METHOD OF SAMPLING split spoon
(THIEF, COREHOLE, ETC.)

Analysis Requested _____

Test Method EPA 8015 per clients proposal
Preservation methods: keep cold until analyzed

* Indicate whether sample is soil, sludge, etc.

** Use back of page for additional information relative to sample location

Sample Receiver:

1. B. C. Laboratories

name and address of organization receiving sample

contact: Mr. Blair Burgess, County of L.A.
Waste Management Division
1450 Alcazar St., L.A. 90033

#1813-1
thru-4

Chain of Possession:

| | | |
|-----------------------|------------------|------------------------|
| 1. <u>Tom Gutcher</u> | <u>Geologist</u> | <u>3/17/88-3/18/88</u> |
| signature | title | inclusive dates |
| 2. <u>Jean Matthy</u> | | <u>3-8-88</u> |
| signature | title | inclusive dates |

Bill to ESTI-Job #87148
CHAIN OF CUSTODY RECORD - SAMPLE ANALYSIS REQUEST

PROJ. NO.

PROJECT NAME

Location of Sampling: A. Jergens Co., 99 W. Verdugo, Burbank

Collector: Tom Gutcher Date Sampled 3/7/88 Time p.m. hours

Affiliation of Sampler: W. H. Park and Associates

Address 3040 19th St. Bakersfield, CA 93301
number street city state zip

Telephone (805) 327-9681 Company Contact Tom

Quantity

COLLECTOR'S

TYPE OF

FIELD INFORMATION**

Container Type

SAMPLE NO.

SAMPLE*

brass ring

MW#7

soil

7'

brass ring

MW#8

soil

7'

MATERIAL SAMPLED soil near diesel product transfer lines

DEPTH 7' METHOD OF SAMPLING split spoon
(THIEF, COREHOLE, ETC.)

Analysis Requested

Test Method EPA 8015 per client's proposal

Preservation methods: keep cold until analyzed

* Indicate whether sample is soil, sludge, etc.

** Use back of page for additional information relative to sample location

Sample Receiver:

1. B. C. Laboratories

name and address of organization receiving sample

contact: Mr. Blair Burgess, L.A. County
Waste Management Division
1450 Alcazar St., L.A. 90033

Chain of Possession:

1. Tom Gutcher Geologist 3/7/88-3/8/88
signature title inclusive dates

2. Jean Malby 3-8-88
signature title inclusive dates

#1513-546

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 3

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | |
|-----------------|----------------------|---------------|------------------------|------------------------------------|------------|
| | | | | ppm gasoline | ppm diesel |
| 0 | | | | | X |
| 5 | | * | 3 | | |
| 10 | | * | 0 | | |
| 15 | | * | 0 | | |
| 20 | | ⊗ | 2 | None Detected | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

Sand, brown, silty, very fine to very coarse grained, loose, moist, no odor.

No odor.

Silt, dark brown, sandy, fine grained, poorly indurated, moist, no odor.

Sand, brown, silty, very fine to very coarse grained, gravel and cobbles abundant, poorly indurated, moist, no odor.

T.D. - 20'

* - Sample Location

⊗ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 4

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | ppm gasoline | | ppm diesel | Lithologic Description |
|-----------------|----------------------|------------------|---------------------------|------------------------------------|--------------|--|------------|---|
| | | | | | | | | |
| 0 | | | | | | | X | |
| 5 | | * | 0 | | | | | Sand, brown, silty, fine to coarse grained, poorly indurated, moist, no odor. |
| 10 | | * | 0 | | | | | Sand, tan, fine to medium grained, loose, no odor. |
| 15 | | ⊙ | 0 | None Detected | | | | Silt, brown, sandy, fine to coarse grained, poorly indurated, moist, no odor. |
| 20 | | * | trace | | | | | Fine grained, no odor. |
| 25 | | | | | | | | |
| 30 | | | | | | | | |
| 35 | | | | | | | | |
| 40 | | | | | | | | |

T.D. - 20'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 5

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | | Lithologic Description |
|-------------------|---------------|---------------------|------------------------------|------------|---|
| | | | ppm gasoline | ppm diesel | |
| 0 | | | | X | |
| 5 | * | 0 | | | Silt, dark brown, sandy, fine to coarse grained, poorly indurated, moist, no odor. |
| 10 | * | 0 | | | Sand, brown, silty, fine to very coarse grained, gravel abundant, poorly indurated, moist, no odor. |
| 15 | * | 0 | | | Gravel absent, no odor. |
| 20 | ⊗ | 0 | None Detected | | No odor. |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

T.D. - 20'

* - Sample Location

⊗ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 6

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | | Lithologic Description |
|-----------------|----------------------|------------------|---------------------------|------------------------------------|------------|---|
| | | | | ppm gasoline | ppm diesel | |
| 0 | | | | | X | |
| 5 | | * | 0 | | | Silt, dark brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor. |
| 10 | | * | 0 | | | Sand, brown, silty, fine to coarse grained, poorly indurated, moist, no odor. |
| 15 | | ⊙ | 0 | None Detected | | Fine to very coarse grained, no odor. |
| 20 | | * | 0 | | | No odor. |
| 25 | | | | | | |
| 30 | | | | | | |
| 35 | | | | | | |
| 40 | | | | | | |

T.D. - 20'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | W. H. PARK AND ASSOCIATES | |
|------------------------|---------------|---------------------|------------------------------|--|------------|
| | | | | ppm gasoline | ppm diesel |
| | | | | | X |
| Lithologic Description | | | | | |
| | | | None Detected | Sand, orange, brown, and grey, silty, fine to coarse grained, gravel abundant, mottled coloration, poorly indurated, moist, no odor. | |
| | * | | | Sand, tan, fine to medium grained, loose, no odor. | |
| | ⊗ | 0 | | | |
| | * | | | | |
| 10 | * | | | | |
| 15 | * | | | | |
| 20 | * | | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

T.D. - 7'

* - Sample Location

⊗ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 8

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | ppm gasoline | ppm diesel | |
|-------------------|---------------|---------------------|------------------------------|--------------------------|-------------------------------------|---|
| | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 0 | | | | | | |
| 5 | | | | | | |
| 10 | ⊙ | 0 | None Detected | | | Sand, tan, fine to very coarse grained, loose, no odor. |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |
| 30 | | | | | | |
| 35 | | | | | | |
| 40 | | | | | | |

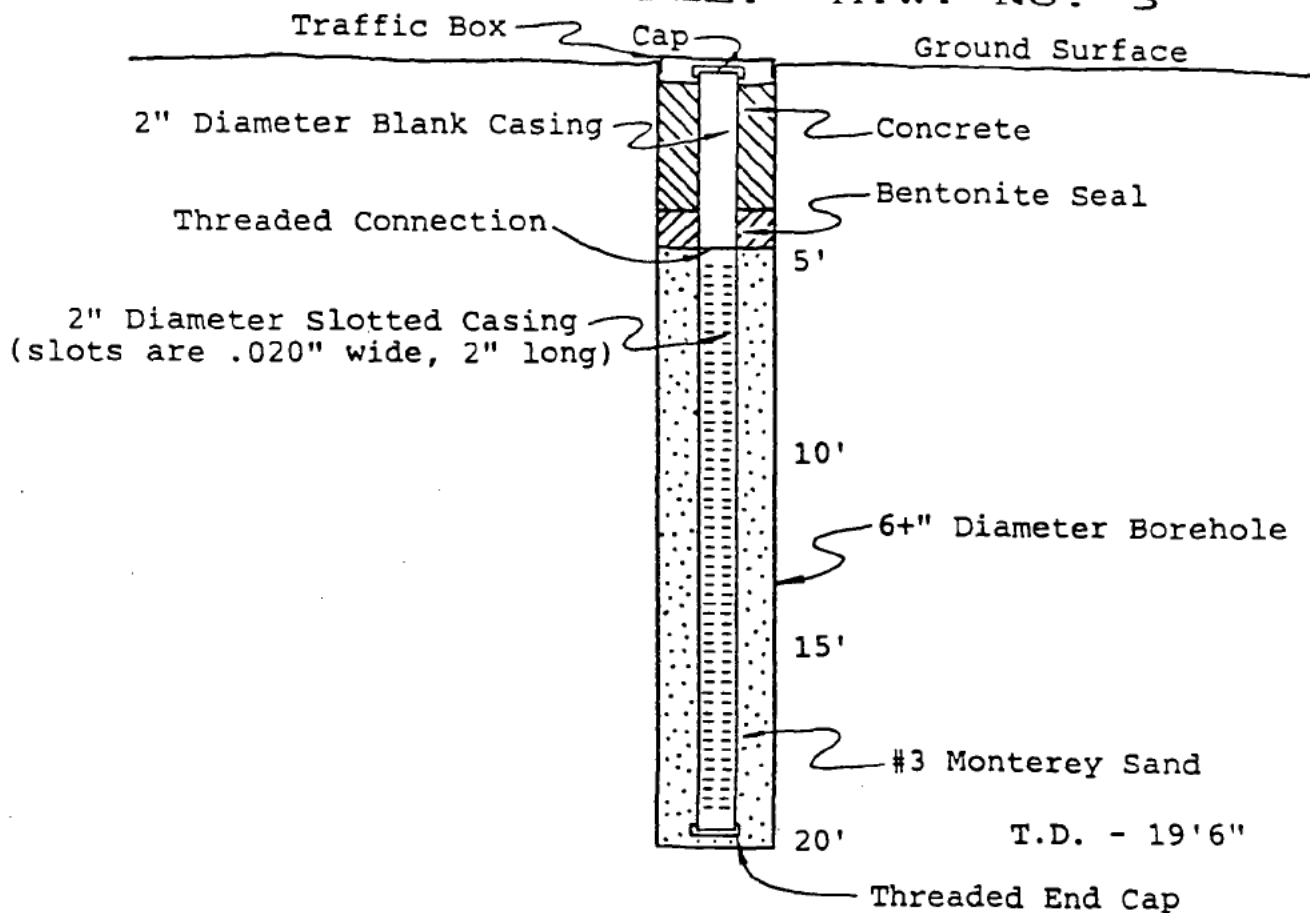
T.D. - 7'

* - Sample Location

⊙ - Sample Analyzed

SCHEMATIC DIAGRAM OF MONITORING WELL
 ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 3



SCALE: Vertical 1" = 5' Horizontal 1" = 10"

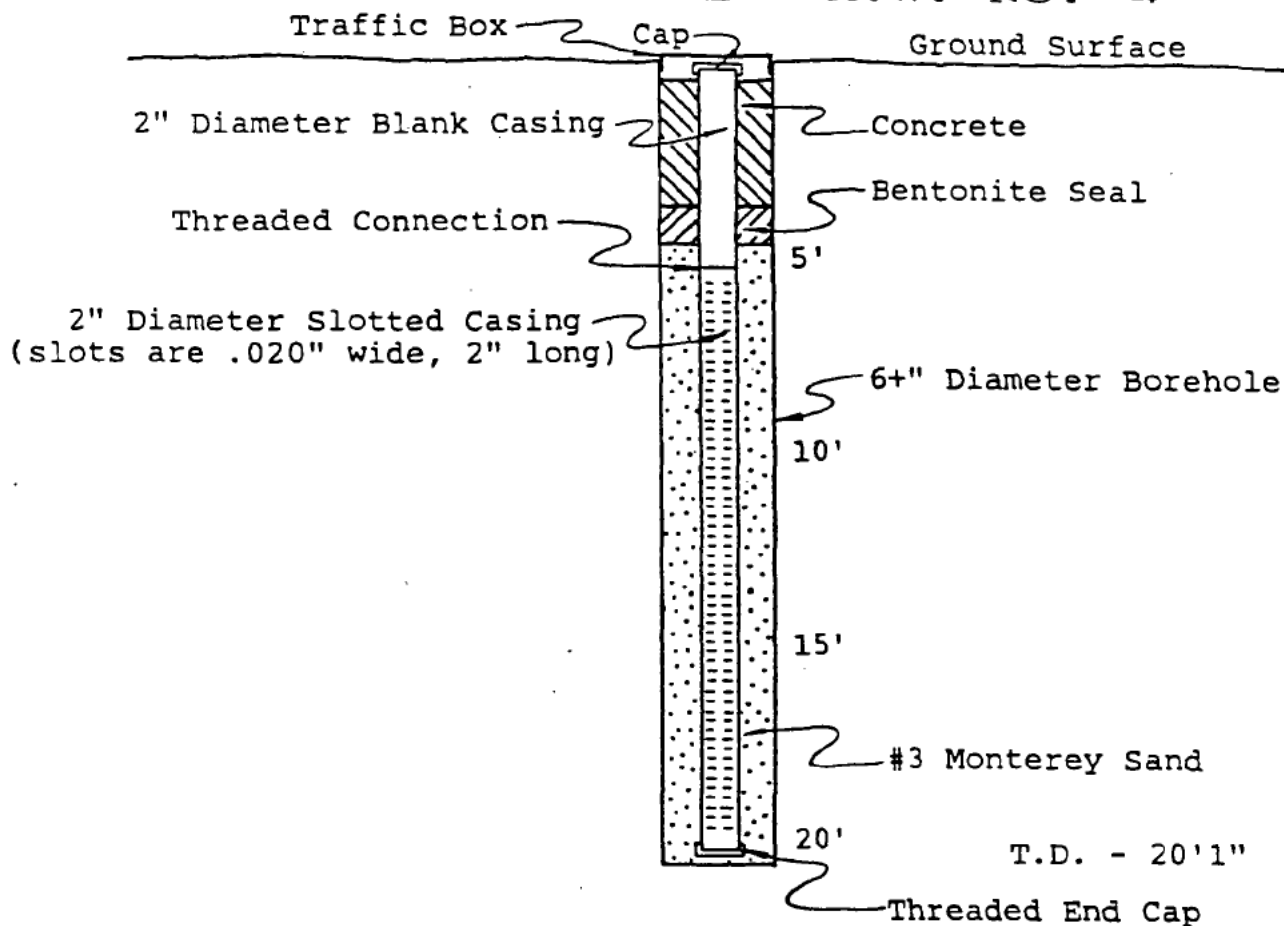
W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL

ANDREW JERGENS COMPANY

BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 4

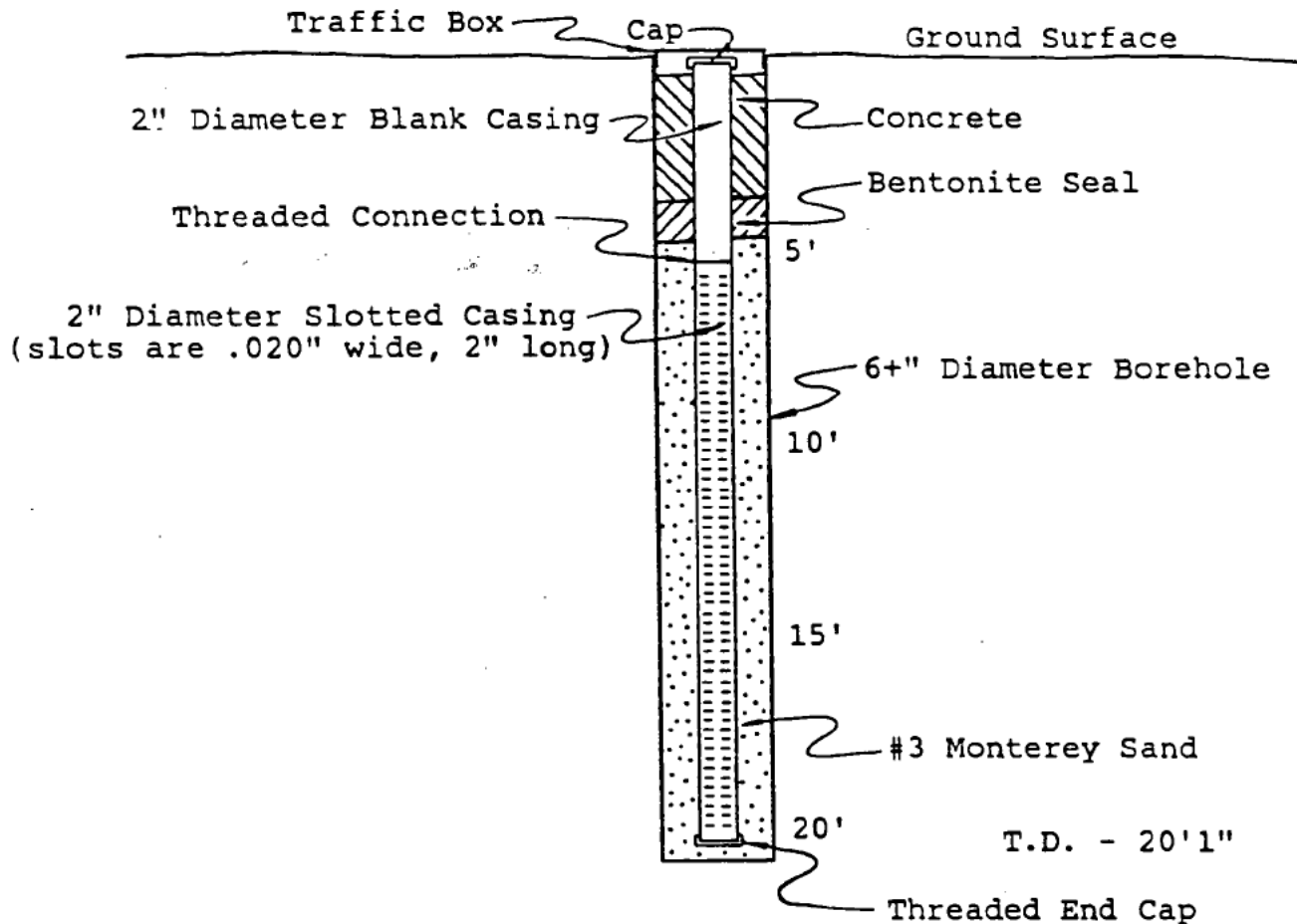


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 5

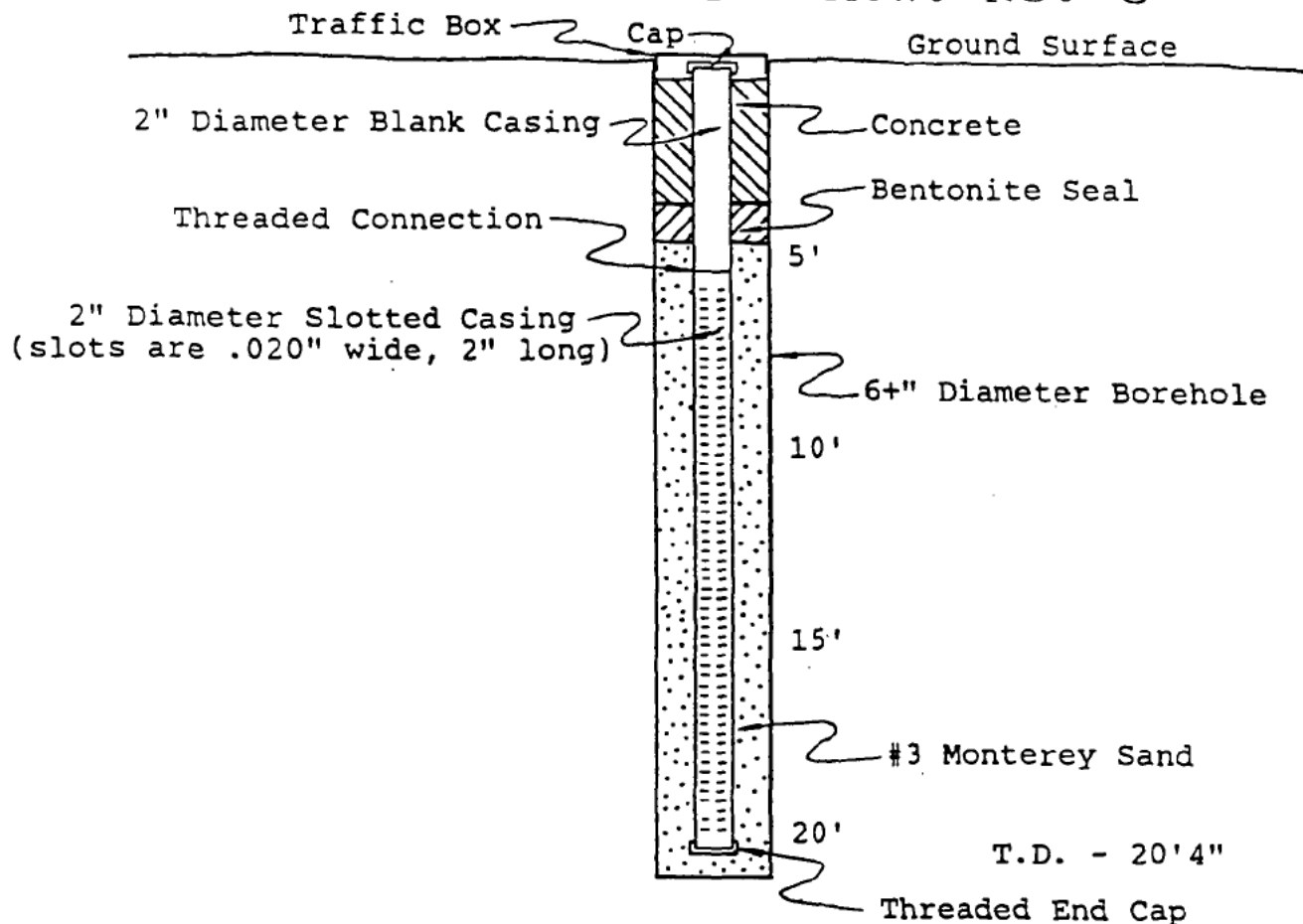


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 6

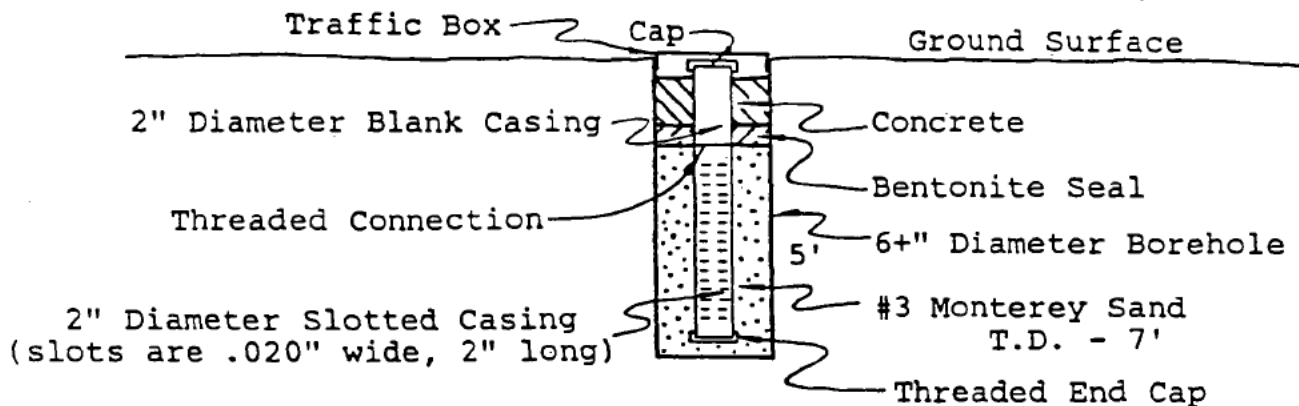


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

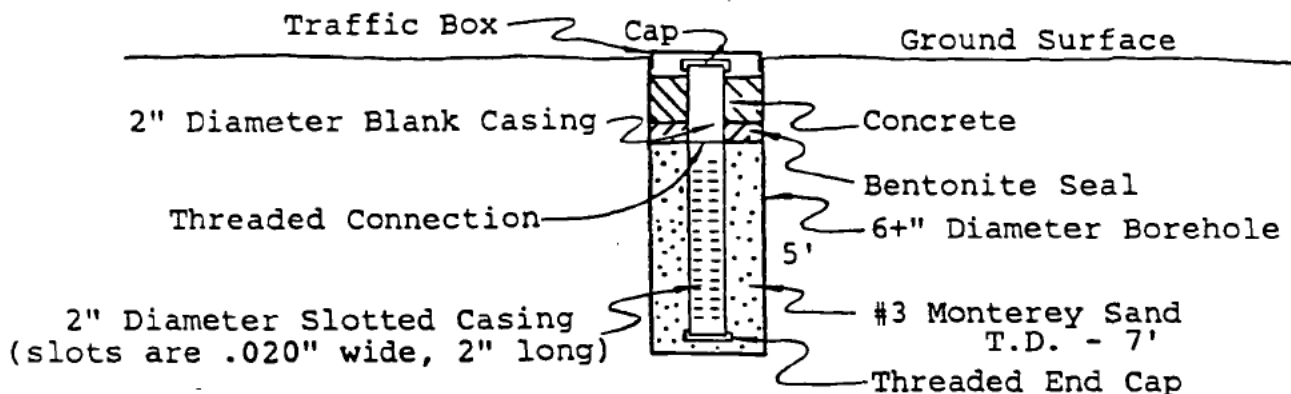
W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 7



MONITORING WELL: M.W. No. 8



SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - JULY 1988

SITE ASSESSMENT

ANDREW JERGENS COMPANY

BURBANK, CALIFORNIA

SEPTEMBER 1988

WILLIAM H. PARK - GEOLOGIST
3040 Nineteenth Street, Suite 10
Bakersfield, California 93301
(805) 327-9681

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Exhibits:

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| Figure 2 | Vicinity Map |
| Figure 3 | Site Map - Area No. 1 |
| Table I | Underground Tank Summary |
| Appendix A | Chemical Analyses and Chain of Custody Records |
| Appendix B | Logs of Test Holes |
| Appendix C | Schematic Diagrams of Monitoring Wells |

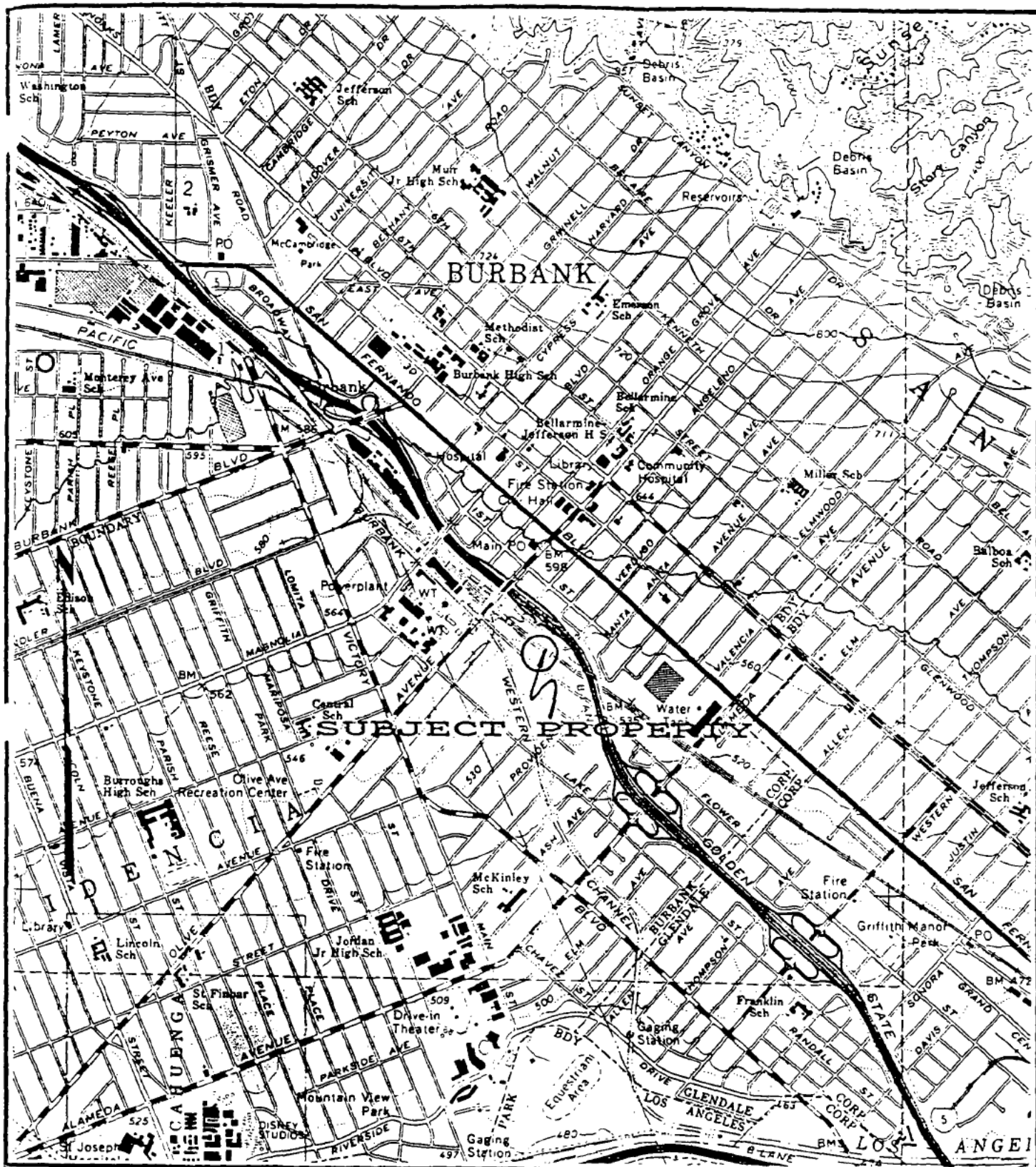
SITE ASSESSMENT
ANDREW JERGENS COMPANY
BURBANK, CALIFORNIA

INTRODUCTION

In accordance with a request by Mr. Bob McMenamy of ESTI Engineering, Incorporated, a site assessment has been performed for a portion of the Andrew Jergens Company manufacturing plant located at 99 West Verdugo Avenue, Burbank, California (see Figure 1). The site is located in the northwest quarter of Section 13 and the northeast quarter of Section 14, T.1N., R.14W., S.B.B. & M.

The following underground storage tanks are located on the property: three 12,000 diesel tanks and one 6,500 gallon ethanol tank (see Table I). The investigation of this site is divided into two regions, referred to as Area No. 1 and Area No. 2. Area No. 1 is the location of the ethanol tank and Area No. 2 is the location of the three diesel tanks (see Figure 2). This report deals with Area No. 1.

The purposes of this study are (1) determine if unauthorized releases of ethanol into the subsurface have occurred at Area No. 1, (2) determine the extent of contamination associated with any such releases, and (3) establish monitoring wells near the ethanol tank. This investigation included an inspection of Area No. 1, drilling and logging 5 test holes, chemical analysis of selected



LOCATION MAP

ANDREW JERGENS COMPANY
99 WEST VERDUGO AVENUE
BURBANK, CALIFORNIA

SCALE: 1" = 2000'

Source of Base Map: U.S.G.S. Burbank 7½ Minute Quadrangle, 1972.

Figure 1

U N D E R G R O U N D T A N K S U M M A R Y

| | Tank # | Size (Gal) | Age (Yrs) | Type of Tank | Present Contents | Past Contents | Pump Type | Usage | Through-Put Gal/Week |
|------------|--------|------------|-----------|--------------|------------------|---------------|-----------|---------------|----------------------|
| Area No. 2 | 1 | 12,000 | 13 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| | 2 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| | 3 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| Area No. 1 | 4 | 6,500 | see below | Steel | Ethanol | Same | Suction | Manufacturing | 1,500 |

(1) Historic usage - twice yearly, 16 hour duration, total 5,000 gallons/year.

* The tanks have no secondary containment or leak detection system at present.

* The tanks have no cathodic system at present.

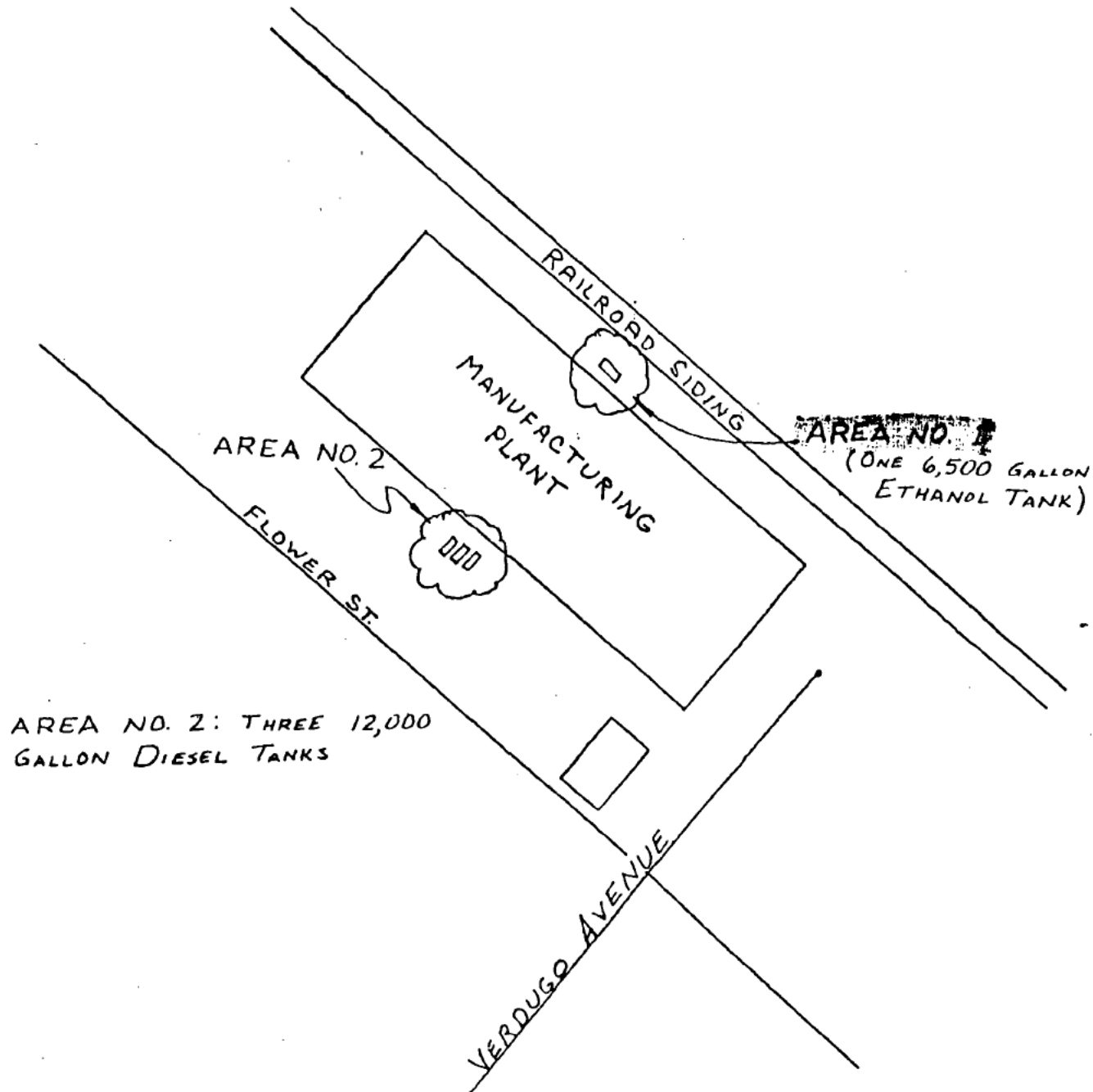
* There have been no suspected or detected leaks in Tanks 1, 2, 3, or 4 or the related piping.

* The 6,500 gallon ethanol tank has reportedly been in place since at least 1945.

VICINITY MAP



No Scale



soil samples, emplacement of 5 monitoring wells, research of available information sources, and the preparation of this report by Mr. Duane R. Smith, Registered Geologist No. 3584 and Mr. Thomas F. Gutcher, Assistant Geologist.

The geological investigation reported herein has been conducted in accordance with generally recognized and current state-of-the-art geological procedures. The geological factors that were considered are outlined in this report. Other geological factors were not considered inasmuch as they were not deemed relevant to the intended land use and the scope of this investigation. This investigation was conducted to the best of the investigative geologists' abilities in accordance with the foregoing limitations.

SITE INVESTIGATION

Test Holes

Two test holes (M.W. Nos. 1 and 2) were drilled on March 7, 1988 near the ethanol tank to determine if any subsurface ethanol contamination exists and to establish monitoring wells in the test holes. The test hole locations were chosen by ESTI Engineering, Incorporated. Three additional test holes (M.W. Nos. 9 through 11) were drilled on August 23, 1988 in an attempt to delineate the extent of contamination found in the initial investigation and to establish additional monitoring wells. The numbering of the test holes is not sequential because M.W. Nos. 3 through 8 were drilled

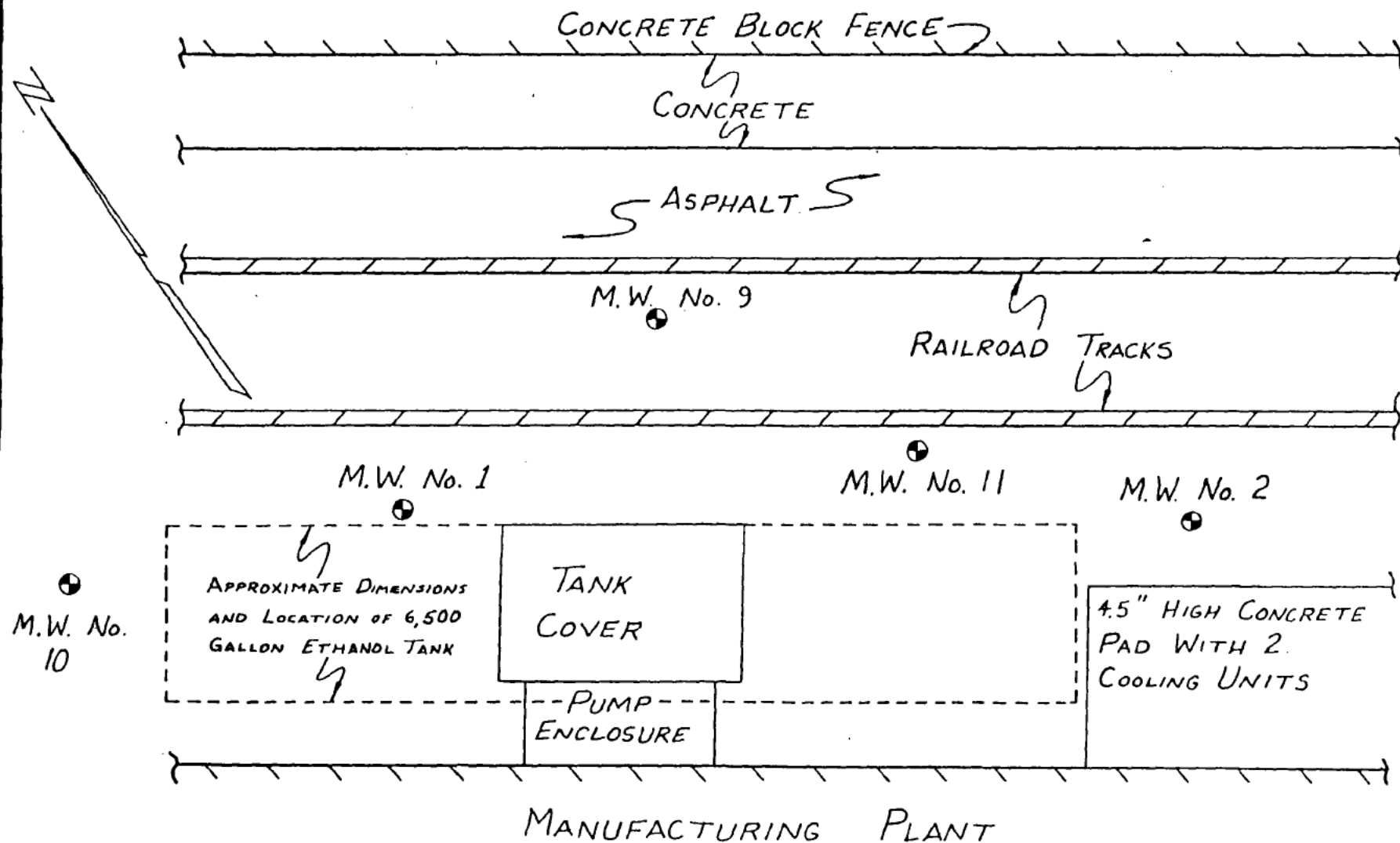
in Area No. 2. These test hole locations were chosen by ESTI Engineering, Incorporated and William H. Park and Associates. All five test hole locations are shown on Figure 3.

M.W. Nos. 1, 9, 10, and 11 were drilled to a depth of 40 feet each. M.W. No. 2 was drilled to a depth of 20 feet. Soil samples were collected from each test hole at 5 foot intervals starting at a depth of 5 feet. No 5 foot sample was collected from M.W. No. 2 because the loose sediments would not remain in the sampler. One soil sample from each sample point was immediately sealed and placed on ice for transport to a state certified laboratory. Another soil sample from each sample point was used for field screening and soil descriptions.

Selected soil samples were submitted to B. C. Laboratories in Bakersfield, California and analyzed for ethanol content. Appendix A lists the results of the chemical analyses and includes the chain of custody records. Appendix B shows logs of the test holes which include a summary of the chemical analyses.

The 10, 20, 30, 35, and 40 foot samples from M.W. No. 1 were analyzed. The 15 and 20 foot samples from M.W. No. 2 were analyzed. The 10, 15, 20, 30, and 40 foot samples from M.W. No. 9 were analyzed. The 5, 15, 20, 30, and 40 foot samples from M.W. No. 10 were analyzed. The 5, 10, 15, 20, 25, and 40 foot samples from M.W. No. 11 were analyzed.

SITE MAP - AREA No. 1
ANDREW JERGENS COMPANY



SCALE: 1" = 5'
TEST HOLE LOCATION - ●
WILLIAM H. PARK AND ASSOCIATES - SEPTEMBER 1988

No ethanol was detected in the 10 foot sample from M.W. No. 1. The 20 foot sample from M.W. No. 1 reportedly contained 11,208.00 ppm ethanol. The 30 foot sample from M.W. No. 1 reportedly contained 41.00 ppm ethanol. The 35 foot sample from M.W. No. 1 reportedly contained 92.00 ppm ethanol. The 40 foot sample from M.W. No. 1 reportedly contained 32.00 ppm ethanol. No ethanol was detected in M.W. No. 2. No ethanol was detected in the 10 foot sample from M.W. No. 9. The 15 foot sample from M.W. No. 9 reportedly contained 390 ppm ethanol. No ethanol was detected in the 20, 30, or 40 foot samples from M.W. No. 9. No ethanol was detected in M.W. No. 10. No ethanol was detected in the 5 foot sample from M.W. No. 11. The 10 foot sample from M.W. No. 11 reportedly contained 0.40 ppm ethanol. No ethanol was detected in the 15, 20, 25, and 40 foot samples from M.W. No. 11.

Monitoring Wells

All five of the test holes were completed as monitoring wells. M.W. No. 1 was completed to a depth of about 35 feet. M.W. No. 2 was completed to a depth of about 20 feet. M.W. Nos. 9, 10, and 11 were completed to a depth of about 40 feet each. All of the monitoring wells were completed with 2 inch diameter PVC casing.

M.W. No. 1 was completed using three 10 foot joints of slotted screen beneath a 4 foot joint of blank casing. M.W. No. 2 was completed using a 10 foot joint of slotted screen beneath a 3 foot joint of slotted screen beneath a 5 foot joint of blank casing.

M.W. Nos. 9, 10, and 11 were completed using seven 5 foot joints of slotted screen beneath a 5 foot joint of blank casing. An additional 1 foot joint of blank casing was attached to the top of the string in M.W. No. 10 because the casing settled into the hole. The screened intervals utilize a 0.020 inch slot width and a 2 inch slot length. The slots are oriented horizontally around the casing. A threaded end cap is connected to the bottom of the string.

The screened intervals are packed with #3 Monterey sand to at least the top of the screened intervals. A one to two foot thick bentonite seal covers the sand pack. Concrete grout covers the bentonite seal. The entire assembly is covered with a 14 inch diameter water-tight traffic box. Appendix C shows schematic diagrams of the five monitoring wells.

SITE GEOLOGY

According to the Geologic Map of California, Los Angeles Sheet, the sediments underlying the site are composed of Holocene alluvium consisting of clay, silt, sand, and gravel. These sediments are unconsolidated, poorly stratified to well stratified, and include alluvial fan, floodplain, and streambed deposits. The sediments recovered from the test holes consist of sand, silt, sandy silt, and silty sand. Gravel and cobbles are common. The sediments are generally moderately-sorted to very poorly-sorted and unconsolidated to poorly indurated.

Groundwater was not encountered in any of the test holes. The nearest available groundwater data is from a well located about one-quarter to one-half mile to the west (State Well No. 01N/14W-14B08). The depth to water in this well was measured at 91.6 feet on April 16, 1979. This data was obtained from microfiche provided by the Upper Los Angeles River Area (ULARA) Water Master, Department of Water and Power, City of Los Angeles. A verbal report by a representative of the ULARA Water Master stated that the current depth to water at the intersection of Olive Avenue and Victory Boulevard (see Figure 1) is about 200 feet.

CONCLUSIONS

Based on the results of this investigation, some high level ethanol contamination exists at Area No. 1. However, the vertical and horizontal extent of this contamination appears to be rather limited. Significant contamination was found in only two of the test holes (M.W. Nos. 1 and 9) and only two of the soil samples reportedly contained ethanol in concentrations greater than 100 ppm: M.W. No. 1 at 20 feet - 11,208.00 ppm and M.W. No. 9 at 15 feet - 390 ppm. It is probable, based on field screening, that the 25 foot sample from M.W. No. 1 contained significant concentrations as well, but this sample was not analyzed.

The data collected from M.W. No. 9 suggests that this test hole is located near the edge of the contaminant plume. The data from M.W. Nos. 2, 10, and 11 indicates that the plume does not extend

to the northwest more than 10 feet beyond M.W. No. 1 or to the southeast more than about 15 feet beyond M.W. No. 1. M.W. No. 1 is assumed to be near the center of the plume. The data indicates that the contamination is concentrated at a depth of 20 to 25 feet in the vicinity of M.W. No. 1. It is likely that contamination exists below the tank as well. It is not known if contamination exists beneath the edge of the manufacturing plant.

The source of this contamination is not known for certain, but spillage associated with tank filling is suspected for the following reasons. The Andrew Jergens Company reportedly keeps accurate records of the product inventory. No significant product losses have been reported, so tank leakage is not a probable source. Product line leakage is not suspected because the system operates off a suction pump (see Table I) which would not cause significant product losses even if line leaks exist. Furthermore, the inventory records should detect such losses. Also, M.W. No. 1, where the highest contamination was found, is the test hole closest to the fill port.

RECOMMENDATIONS

Three possible remedial action alternatives are excavation and disposal, vapor extraction, and no-action.

Excavation and disposal would involve removing the tank and any soil beneath the tank area found to be significantly contaminated.

This method is not practical at this site because of (1) high cost, (2) disruption of operations at the plant, and (3) possible endangerment of the building's structure.

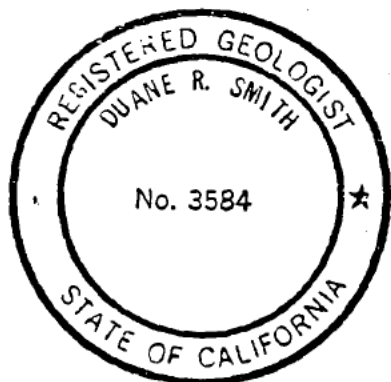
Vapor extraction would involve emplacement of one or more extraction wells from which the volatile ethanol vapors could be extracted with a vacuum system and then treated. Two methods of vapor treatment are incineration at the exhaust point and filtration. M.W. No. 1 could serve as an extraction well. The effluent would have to be periodically sampled and analyzed to determine the effectiveness of the extraction.

The no-action alternative involves leaving the contamination in place and monitoring the subsurface periodically for any increases in the level and extent of contamination. Five monitoring wells are already available for this purpose.

Both the vapor extraction and the no-action alternative seem to be reasonable choices for this site. Vapor extraction is fairly low in cost and the equipment can be left at the site with little supervision. Vapor extraction has proven to be quite effective in removing volatile constituents like ethanol from relatively coarse soils like those beneath Area No. 1. The no-action alternative is very low in cost, but has the disadvantage of not removing or neutralizing any of the contaminants. Given the depth to groundwater beneath the site and the possible lack of an active source, the contamination does not appear to present a threat to the

environment. It must be understood, however, that as long as the contaminated soil is present below the property, the owners are subject to accepting any future liability for this contamination however remote the chances of it affecting any biological receptors may be.

Even though the no-action alternative seems reasonable, the Andrew Jergens Company may wish to investigate the potential for vapor extraction and other possible methods not mentioned herein.



Submitted by:

Duane R. Smith

Duane R. Smith
Registered Geologist
State of California No. 3584

Thomas F. Gutch

Thomas F. Gutch
Assistant Geologist

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-1

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @10'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | none detected | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-2

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @20'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | 11208.00 | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert A. Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC (SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-3

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @ 30'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | 41.00 | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-4

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @35'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

Constituent

Results, $\mu\text{g/g}$

MRL, $\mu\text{g/g}$

THANOL

92.00

25.00

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

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J. J. EGLIN, REG. CHEM. ENGR.

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NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-5

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @40'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | 32.00 | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plausone
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

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LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-6

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #2 @ 15'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | none detected | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert A. Kinsman
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

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LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-7

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #2 @ 20'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | none detected | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

Location of Sampling: A. Tergens Co., 99 W. Verdugo, Burbank

Collector: Tom Gutcher Date Sampled 3/7/88 Time a.m. hours

Location of Sampler W. H. Park and Associates

Address 3040 19th St. Bakersfield, CA 93301
 number street city state zip

Telephone (805) 327-9681 Company Contact Tom

| Container Type | COLLECTOR'S SAMPLE NO. | TYPE OF SAMPLE* | FIELD INFORMATION** |
|-----------------|---------------------------|--------------------|--------------------------------|
| <u>ass ring</u> | <u>MW# 1</u> | <u>soil</u> | <u>10', 20', 30', 35', 40'</u> |
| <u>ass ring</u> | <u>MW# 2</u> | <u>soil</u> | <u>15', 20'</u> |

MATERIAL SAMPLED soil near 6,500 gallon ethanol tank

DEPTH 10' to 40' METHOD OF SAMPLING split spoon
 (THIEF, COREHOLE, ETC.)

Analysis Requested Gas Chromatograph - FID in
alcohol column per clients proposal

Test Method

Preservation methods: keep cold until analyzed

* Indicate whether sample is soil, sludge, etc.

** Use back of page for additional information relative to sample location

Sample Receiver:

1. B. C. Laboratories

name and address of organization receiving sample

contact: Mr. Blair Burgess, County of L.A.

Waste Management Division

1450 Alcazar St., L.A. 90033

#1812-1 turn 7

Chain of Possession:

1. Tom Gutcher Geologist 3/7/88-3/8/88
 signature title inclusive dates

Jean Malche 3-8-88
 signature title inclusive dates

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

W. H. Park & Associates
3040 19th Street, Suite 10
Bakersfield, CA 93301

Date Reported: 9/15/88
Date Received: 8/25/88
Laboratory No.: 6379-1 to 6379-16

Attention: Mr. Tom Gutcher

Sample: Job #87148 Monitoring Well Near 6500 Gallon Ethanol Tank

Sample Description

Ethanol, ugm/gm

| | |
|-------------------------|------|
| MW #9 @ 10' 8/23/88 AM | N.D. |
| MW #9 @ 15' 8/23/88 AM | 390 |
| MW #9 @ 20' 8/23/88 AM | N.D. |
| MW #9 @ 30' 8/23/88 AM | N.D. |
| MW #9 @ 40' 8/23/88 AM | N.D. |
| MW #10 @ 5' 8/23/88 PM | N.D. |
| MW #10 @ 15' 8/23/88 PM | N.D. |
| MW #10 @ 20' 8/23/88 PM | N.D. |
| MW #10 @ 30' 8/23/88 PM | N.D. |
| MW #10 @ 40' 8/23/88 PM | N.D. |
| MW #11 @ 5' 8/23/88 PM | N.D. |
| MW #11 @ 10' 8/23/88 PM | 0.40 |
| MW #11 @ 15' 8/23/88 PM | N.D. |
| MW #11 @ 20' 8/23/88 PM | N.D. |
| MW #11 @ 25' 8/23/88 PM | N.D. |
| MW #11 @ 40' 8/23/88 PM | N.D. |

Method of Analysis: AOAC D 11.01

MRL = Minimum Reporting Level

N.D. = Not detected

MRL = 0.2 ugm/gm

ugm/gm = micrograms per gram

B C LABORATORIES, INC.

BY

J. J. Eglin
J. J. Eglin

CHAIN OF C STUDY RECORD

| Location of Sampling | Collector | Client |
|------------------------------------|--|----------------------------------|
| Name: _____ | Name: <u>TOM GUTCHER</u> | Name: <u>BOB McMENAMY</u> |
| Company: <u>ANDREW JERGENS Co.</u> | Company: <u>W.H. Park & Associates</u> | Company: <u>ESTI ENGINEERING</u> |
| Address: <u>99 W. VERDUGO AVE</u> | Address: <u>3040 19th St., Suite 10</u> | Address: <u>P.O. Box 10941</u> |
| <u>BURBANK, CALIFORNIA</u> | <u>Bakersfield, CA 93301</u> | <u>BAKERSFIELD, CALIF.</u> |
| Telephone: () | Telephone: (805) 327-9681 | Telephone: (805) 325-8276 |
| Bill to Property Owner () | Bill to Collector () | Bill to Client (X) |

| Sampling Method: <u>SPLIT SPOON</u> | | | Sample Type: <u>SOIL</u> | Preservation Methods: <u>KEEP COLD UNTIL ANALYZED</u> | | |
|-------------------------------------|----------|------|---|---|----------------|--|
| Sample No. | Date | Time | Description | Analysis Requested | Laboratory No. | |
| MW#9@10' | 08/23/88 | a.m. | MONITORING WELL NEAR 6500 GALLON ETHANOL TANK | EPA 3550/MODIFIED 8015 ETHANOL ONLY | 6379 - 1 | |
| MW#9@15' | 08/23/88 | | | | - 2 | |
| MW#9@20' | 08/23/88 | | | | - 3 | |
| MW#9@30' | 08/23/88 | | | | - 4 | |
| MW#9@40' | 08/23/88 | | | | - 5 | |
| MW#10@5' | 08/23/88 | p.m. | MONITORING WELL NEAR 6500 GALLON ETHANOL TANK | | - 6 | |
| MW#10@15' | 08/23/88 | | | | - 7 | |
| MW#10@20' | 08/23/88 | | | | - 8 | |

| | | |
|-------------------------------------|--|-----------------------|
| Relinquished By: <u>Tom Gutcher</u> | Company: <u>W.H. PARK & ASSOC.</u> | Date: <u>08/24/88</u> |
| Received By: <u>Carl Zullig</u> | Company: <u>ESTI ENGINEERING</u> | Date: <u>8/24/88</u> |
| Relinquished By: <u>Carl Zullig</u> | Company: <u>" "</u> | Date: <u>8/25/88</u> |
| Received By: <u>Maureen Beesley</u> | Company: <u>BC Labs</u> | Date: <u>8-25</u> |
| Relinquished By: _____ | Company: _____ | Date: _____ |
| Received By: _____ | Company: _____ | Date: _____ |

CHAIN OF CUSTODY RECORD

| Location of Sampling | Collector | Client |
|--|---|--|
| Name: _____ | Name: <u>TOM GUTCHER</u> | Name: <u>BOB McMENAMY</u> |
| Company: <u>ANDREW JERGENS Co.</u> | Company: <u>W.H. Park & Associates</u> | Company: <u>ESTI ENGINEERING</u> |
| Address: <u>99 W. VERDUGO AVE.</u> <u>BURBANK, CALIFORNIA</u> | Address: <u>3040 19th St., Suite 10</u> <u>Bakersfield, CA 93301</u> | Address: <u>P.O. Box 10941</u> <u>BAKERSFIELD, CALIF.</u> |
| Telephone: () | Telephone: (805) 327-9681 | Telephone: (805) 325-8276 |
| Bill to Property Owner () | Bill to Collector () | Bill to Client (X) |

Sampling Method: SPLIT SPOON Sample Type: SOIL Preservation Methods: KEEP COLD UNTIL ANALYZED

| Sample No. | Date | Time | Description | Analysis Requested | Laboratory No. |
|------------|----------|------|---|---------------------------------------|----------------|
| MW#10@30' | 08/23/88 | P.M. | MONITORING WELL NEAR 6500 GALLON ETHANOL TANK | EPA 3550 / MODIFIED 8015 ETHANOL ONLY | 6379 - 9 |
| MW#10@40' | 08/23/88 | | | | - 10 |
| MW#11@5' | 08/23/88 | | MONITORING WELL NEAR 6500 GALLON ETHANOL TANK | | - 11 |
| MW#11@10' | 08/23/88 | | | | - 12 |
| MW#11@15' | 08/23/88 | | | | - 13 |
| MW#11@20' | 08/23/88 | | | | - 14 |
| MW#11@25' | 08/23/88 | | | | - 15 |
| MW#11@40' | 08/23/88 | | | | - 16 |

| | | |
|---------------------------------------|--|-----------------------|
| Relinquished By: <u>Tom Gutcher</u> | Company: <u>W.H. PARK & ASSOC.</u> | Date: <u>08/24/88</u> |
| Received By: <u>Carl Phillips</u> | Company: <u>ESTI ENGINEERING</u> | Date: <u>8/24/88</u> |
| Relinquished By: <u>Carl Phillips</u> | Company: <u>ESTI ENGINEERING</u> | Date: <u>8/25/88</u> |
| Received By: <u>Margaret Beasley</u> | Company: <u>BC Labs</u> | Date: <u>8-25-88</u> |
| Relinquished By: _____ | Company: _____ | Date: _____ |
| Received By: _____ | Company: _____ | Date: _____ |

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 1

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total | | | | Lithologic Description |
|-------------------|---------------|---------------------|----------------------------|--------------|--------------|------------|---|
| | | | Petroleum | Hydrocarbons | ppm gasoline | ppm diesel | |
| | | | Analysis For Ethanol (ppm) | | | | |
| 0 | | | | | | | |
| 5 | * | 0 | | | | | Silt, dark brown, poorly indurated, moist, no odor. |
| 10 | ⊙ | 0 | None Detected | | | | Silt, greenish-grey, sandy, fine to coarse grained, poorly indurated, moist, no odor. |
| 15 | * | 3 | | | | | Gravelly, slight odor. |
| 20 | ⊙ | 110 | 11,208.00 | | | | Brown, odor. |
| 25 | * | 80 | | | | | Coarser, odor. |
| 30 | ⊙ | 15 | 41.00 | | | | Gravelly, odor. |
| 35 | ⊙ | 0 | 92.00 | | | | Slight odor. |
| 40 | ⊙ | 0 | 32.00 | | | | Sand, tan, fine to very coarse grained, gravelly, loose, slight odor. |

T.D. - 40'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 2

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| W. H. PARK AND ASSOCIATES | | | | | | |
|---------------------------|---------------|---------------------|--|---|---|--|
| Lithologic Column | Sample Depths | Meter Reading (ppm) | <div>Total</div> | | LOCATION: <u>Andrew Jergens Co., Burbank</u> | |
| | | | <div>Petroleum</div> | <div>Hydrocarbons</div> | TEST HOLE IDENTIFICATION: <u>MW No. 2</u> | |
| | | | <div>ppm gasoline</div> | <div>ppm diesel</div> | DATE DRILLED: <u>03/07/88</u> ELEVATION: <u>550±'</u> | |
| | | | | | RIG TYPE: <u>6" Hollow Stem Flight Auger</u> | |
| | | | Lithologic Description | | | |
| 0 | | | Analysis For Ethanol (ppm) | | | |
| 5 | | | No recovery. | | | |
| 10 | * | 0 | Silt, brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor. | | | |
| 15 | ⊗ | 0 | None Detected | No odor. | | |
| 20 | ⊗ | 0 | None Detected | Fine to coarse grained, gravelly, dry, no odor. | | |
| 25 | | | | | | |
| 30 | | | | | | |
| 35 | | | | | | |
| 40 | | | | | | |

T.D. - 20'

* - Sample Location

⊗ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 9

DATE DRILLED: 08/23/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Analysis For Ethanol (ppm) | | | Lithologic Description |
|-------------------|---------------|---------------------|----------------------------|--------------|-------------------------|---|
| | | | Total Petroleum | Hydrocarbons | ppm gasoline ppm diesel | |
| 0 | | | | | | |
| 5 | * | 1 | | | | Silt, dark brown, sandy, fine to medium grained, poorly indurated, moist, no odor. |
| 10 | ⊙ | 1 | None Detected | | | Fine to coarse grained, no odor. |
| 15 | ⊙ | 22 | 390 | | | Silt, greenish-brown, sandy, fine to very coarse grained, poorly indurated, moist, strong odor. |
| 20 | ⊙ | 0 | None Detected | | | Sand, brown, silty, fine to very coarse grained, poorly indurated, moist, no odor. |
| 25 | * | 0 | | | | Gravel common, no odor. |
| 30 | ⊙ | 0 | None Detected | | | Gravel absent, no odor. |
| 35 | * | 0 | | | | Sand, tan, very fine to very coarse grained, poorly indurated, moist, no odor. |
| 40 | ⊙ | 0 | None Detected | | | Silt, dark brown, sandy, fine to very coarse grained, poorly indurated, moist, no odor. |

T.D. - 40'

* - Sample Location ⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 10

DATE DRILLED: 08/23/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Analysis For Ethanol (ppm) | | | | Lithologic Description |
|-----------------|----------------------|---------------|------------------------|------------------------------------|--------------|------------|-------------|---|
| | | | | Total Petroleum Hydrocarbons | ppm gasoline | ppm diesel | ppm ethanol | |
| 0 | | | | | | | | |
| 5 | | ⊙ | 5 | None Detected | | | | Silt, dark brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor. |
| 10 | | * | 0 | | | | | Fine to very coarse grained, gravel common, cobbles common, no odor. |
| 15 | | ⊙ | 5 | None Detected | | | | Gravel absent, cobbles absent, no odor. |
| 20 | | ⊙ | 0 | None Detected | | | | Sand, brown, silty, fine to very coarse grained, poorly indurated, moist, no odor. |
| 25 | | * | 0 | | | | | Gravel common, cobbles common, no odor. |
| 30 | | ⊙ | 0 | None Detected | | | | Sand, tan, very fine to very coarse grained, gravel abundant, poorly indurated, moist, no odor. |
| 35 | | * | 0 | | | | | Sand, brown, silty, fine to very coarse grained, poorly indurated, moist, no odor. |
| 40 | | ⊙ | 0 | None Detected | | | | No odor. |

T.D. - 40'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 11

DATE DRILLED: 08/23/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | | | Analysis For Ethanol (ppm) | Lithologic Description |
|-----------------|----------------------|------------------|---------------------------|------------------------------------|------------|--|-------------------------------------|---|
| | | | | ppm gasoline | ppm diesel | | | |
| 0 | | | | | | | | |
| 5 | | ⊙ | 7 | | | | None Detected | Silt, dark brown, sandy, fine to medium grained, poorly indurated, moist, slight odor. |
| 10 | | ⊙ | 25 | 0.40 | | | | Silt, dark greenish-grey, sandy, fine to coarse grained, poorly indurated, moist, odor. |
| 15 | | ⊙ | 12 | | | | None Detected | Silt, brown, sandy, fine to coarse grained, poorly indurated, moist, slight odor. |
| 20 | | ⊙ | 3 | | | | None Detected | Fine to very coarse grained, gravel rare, no odor. |
| 25 | | ⊙ | trace | | | | None Detected | Sand, brown, silty, fine to very coarse grained, gravel abundant, poorly indurated, moist, no odor. |
| 30 | | * | 0 | | | | | Gravel absent, no odor. |
| 35 | | * | 0 | | | | | Sand, tan, very fine to very coarse grained, gravel common, poorly indurated, moist, no odor. |
| 40 | | ⊙ | 0 | | | | None Detected | No odor. |

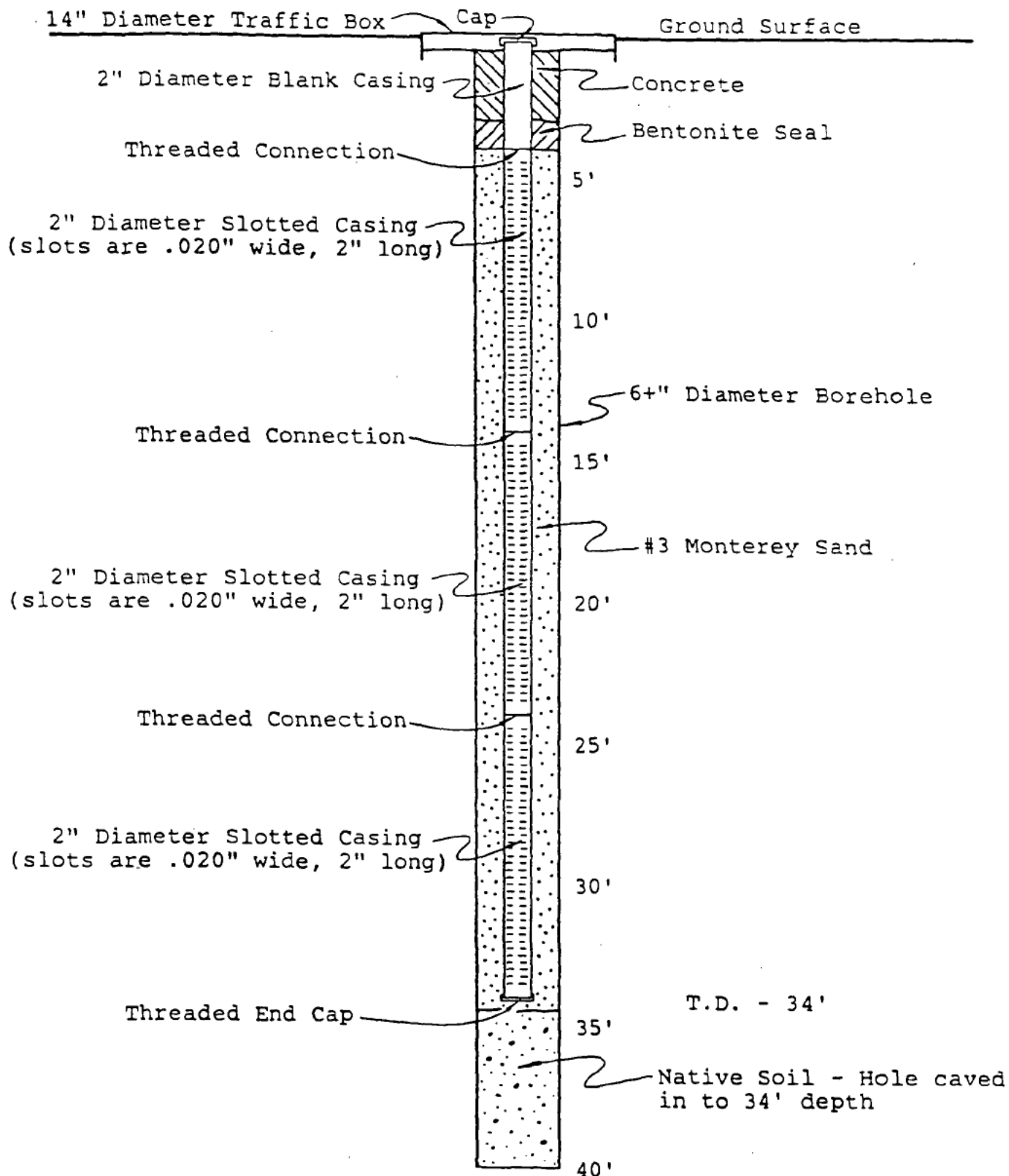
T.D. - 40'

* - Sample Location

⊙ - Sample Analyzed

SCHEMATIC DIAGRAM OF MONITORING WELL
 ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 1



SCALE: Vertical 1" = 5' Horizontal 1" = 10"

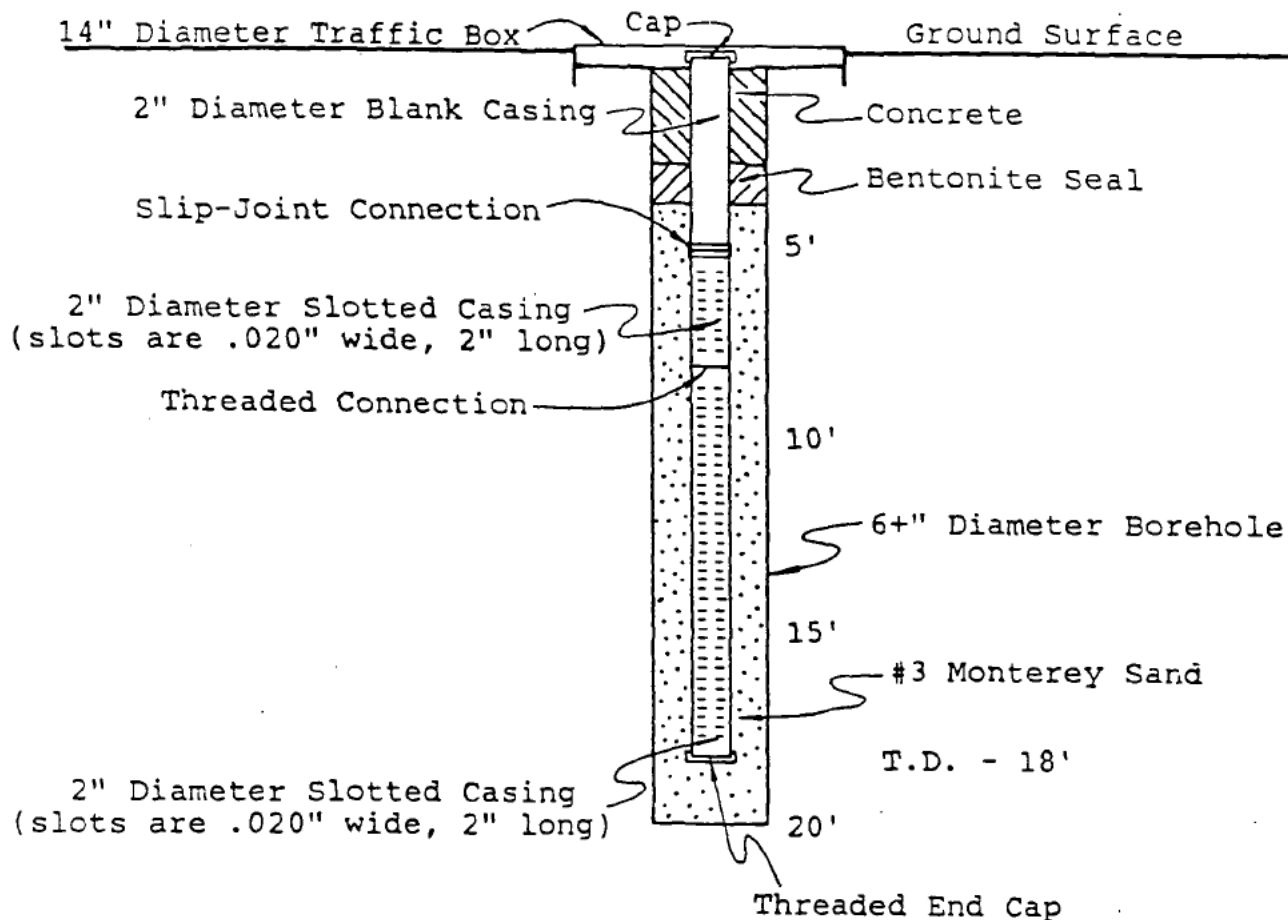
W. H. PARK AND ASSOCIATES - SEPTEMBER 1988

SCHEMATIC DIAGRAM OF MONITORING WELL

ANDREW JERGENS COMPANY

BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 2

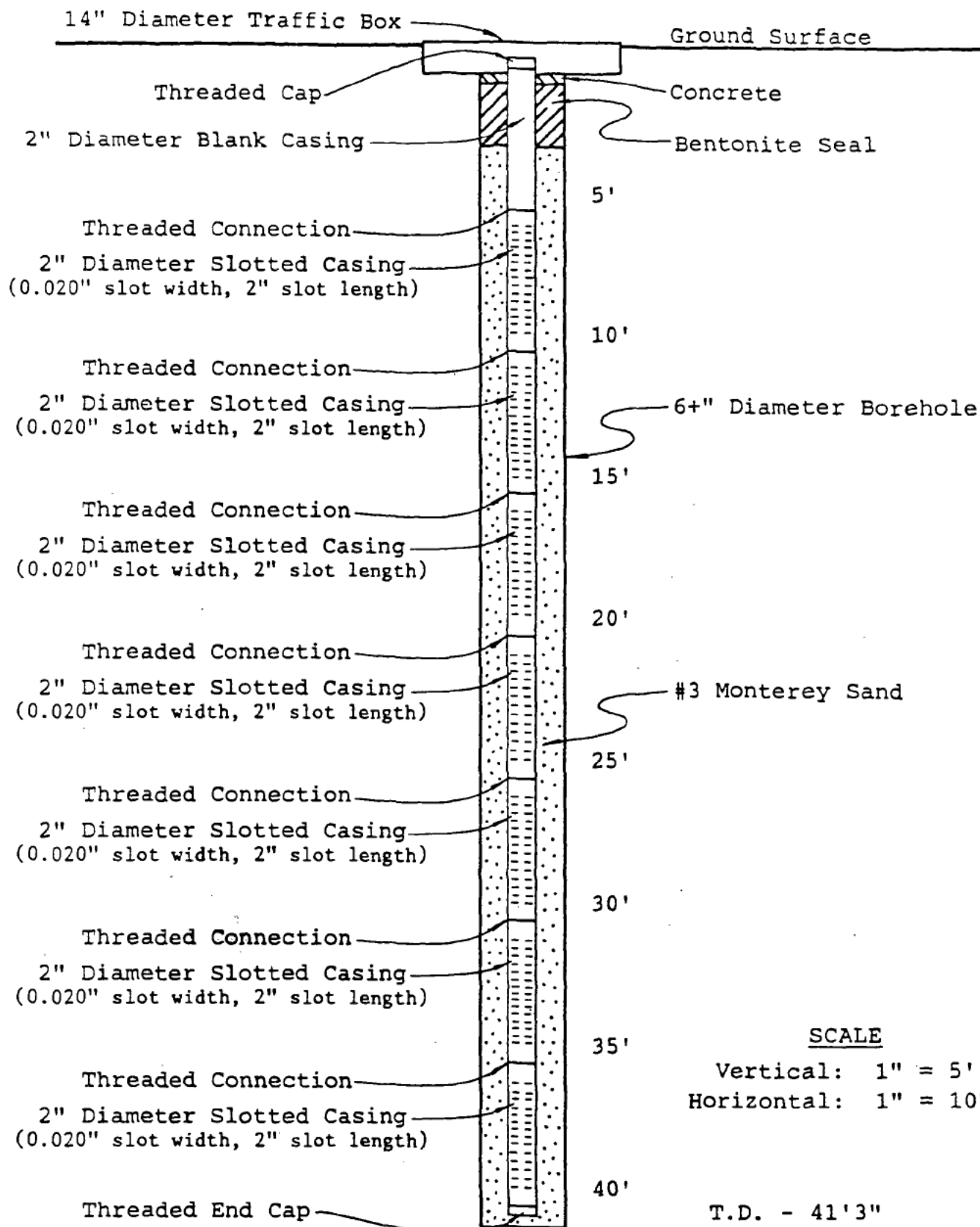


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - SEPTEMBER 1988

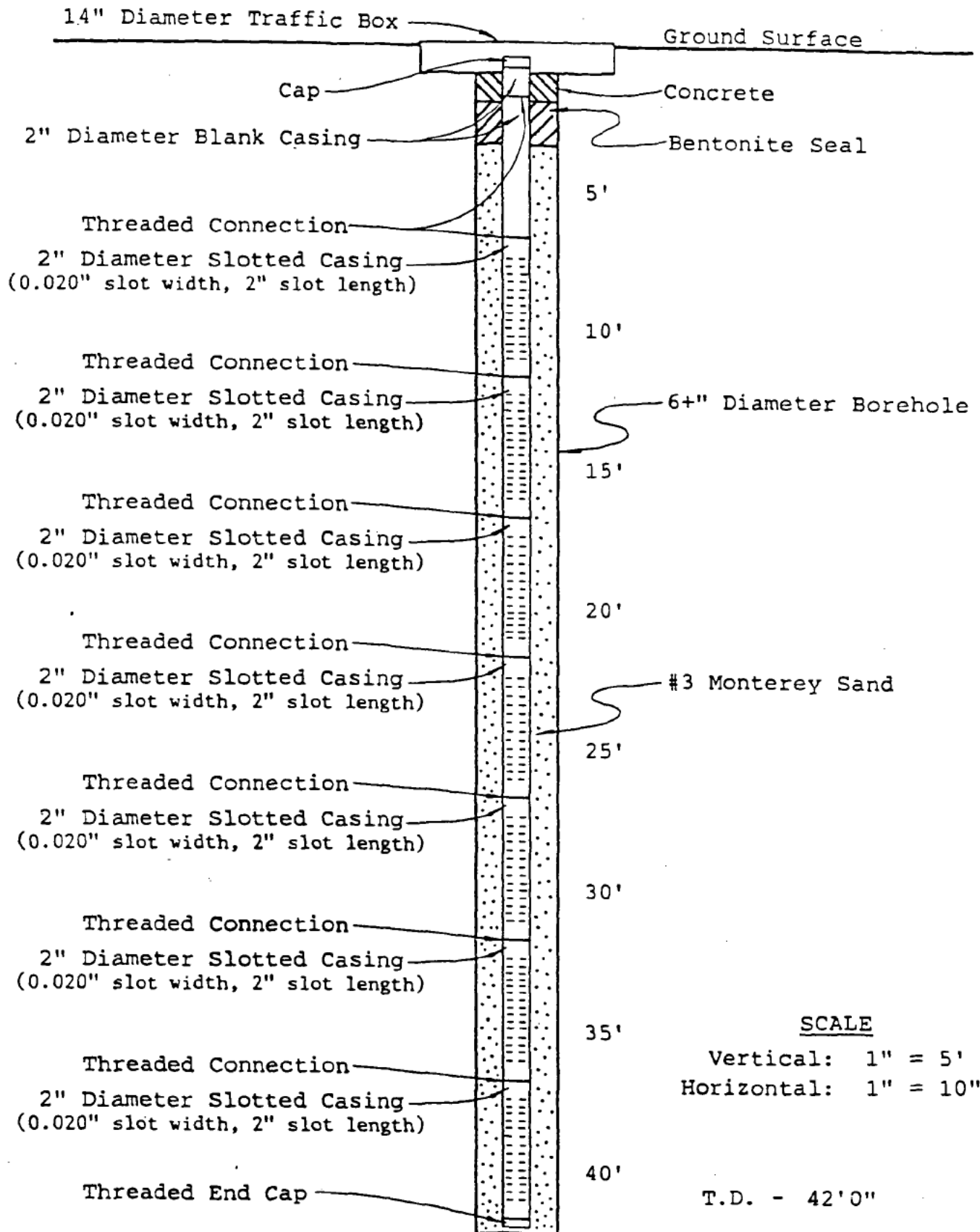
SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 9



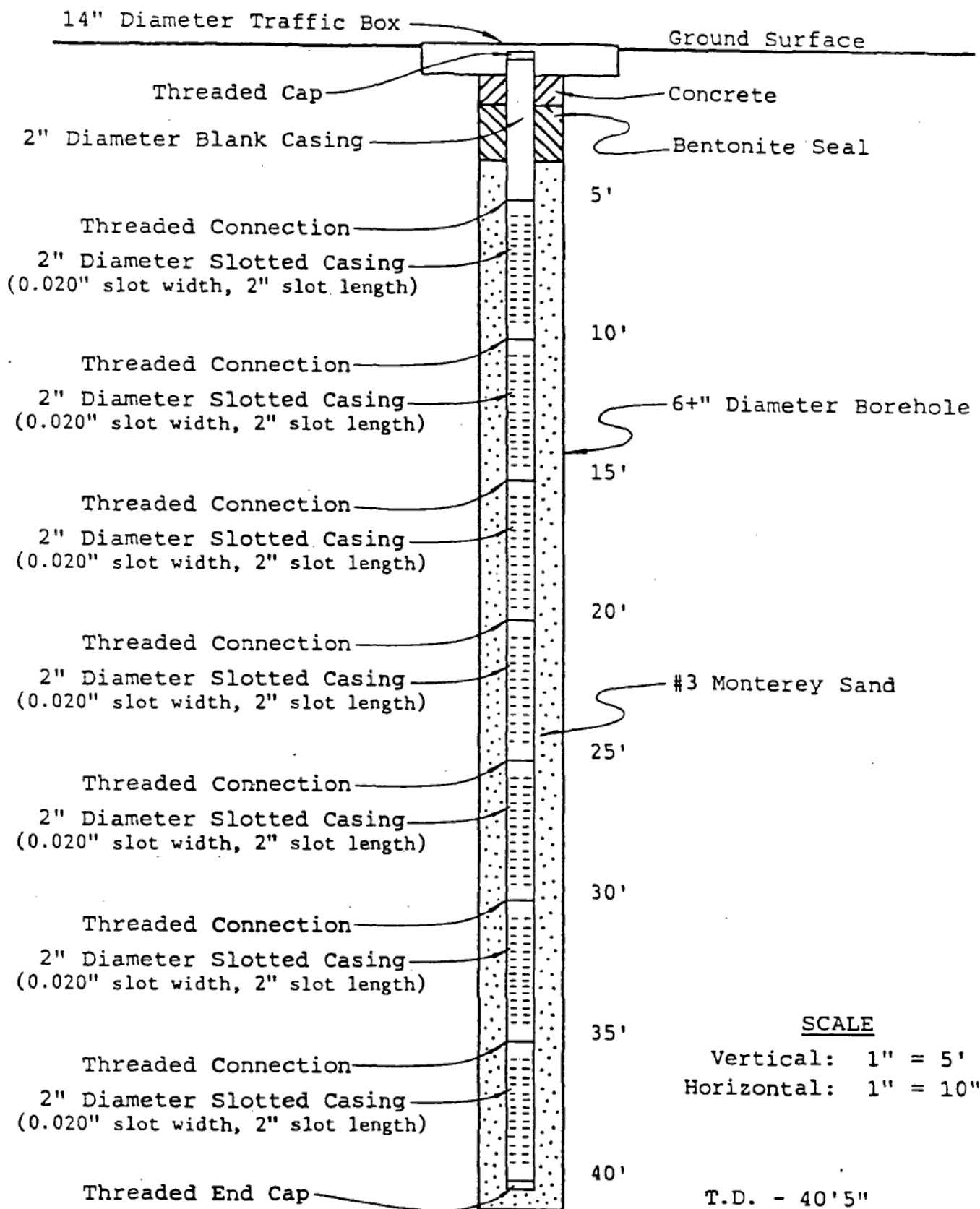
SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 10



SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 11



SCALE

Vertical: 1" = 5'
 Horizontal: 1" = 10"

T.D. - 40'5"

INTERIM REPORT OF
UNDERGROUND STORAGE TANK TESTING AND
LEAK DETECTION INVESTIGATION

PREPARED FOR:
THE ANDREW JERGENS COMPANY
99 W. VERDUGO AVENUE
BURBANK, CALIFORNIA 91502

MARCH, 1989

SUBMITTED BY:
ACTIVE LEAK TESTING, INC.
1300 S. Beacon St.
Suite 120
San Pedro, CA 90731
(213) 833-8700

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| 2.2 | Sampling | 2 |
| 3.0 | DISCUSSION | 2 |
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TABLES

FIGURES

APPENDICES:

- 1 The ALT EarthProbe System
- 2 Boring Logs

EXECUTIVE SUMMARY

On Tuesday, January 10, 1989, Active Leak Testing, Inc. (ALT) made auxiliary measurements of the contaminants in the soil around a 6,500 gallon steel underground storage tank which contains Ethanol. The purpose of this survey was to bring the facility into compliance with City and County regulatory guidelines under CAC Title 22.

The soil around the tank and under nearby railroad tracks was found to be contaminated by Ethanol. The highest concentrations (above 7000 mg/kg) are found near-surface about the mid-tank region extending out into the railroad track area. The concentration level of these values is suspect due to a lack of detailed knowledge of well construction for the first 5 feet from the surface. The second highest concentrations are over 1000 mg/kg and are located between 12 and 18 feet below ground surface in the backfill along the west half of the tank. These values are expected to be quite accurate.

A total of about 60 cubic yards may be involved in the deeper contamination with concentrations greater than 100 mg/kg, of which perhaps about 10 cubic yards have concentrations greater than 1000 mg/kg.

The near surface spill zone may have about 6 cubic yards of contaminated soil with concentrations greater than 1000 mg/kg.

It is recommended that decontamination should be achieved by either in-situ vapor extraction or oxidation of Ethanol from excavated soil.

INTERIM REPORT OF
UNDERGROUND STORAGE TANK TESTING AND
LEAK DETECTION INVESTIGATION

1.0 INTRODUCTION

The subject of this report is the continuing investigation of a portion of the underground storage facilities of The Andrew Jergens Co. at 99 W. Verdugo Ave., Burbank, CA (Figure 1) consisting of one (1) 6,500 gallon steel tank.

1.1 Background

Earlier activities on the facility, aimed at compliance, consisted of borings, sampling, laboratory analysis of samples and a report of results by William H. Park and Associates, Geologist (Park) under subcontract to ESTI of Bakersfield, CA, (ESTI) a contractor who had proposed to complete the compliance program by installing monitors on the two underground storage tanks.

A total of four (4) underground storage tanks are located at two sites on opposite sides of the main building. Area No. 1, a single 6,500 gallon Ethanol tank, lies between the northeast side of the building and the railroad siding. Area No. 2, three 12,000 gallon diesel fuel tanks, are located between the southwest side of the building and Flower Street (Figure 2).

The three diesel fuel tanks were successfully integrity tested and soil sample analyses showed no contamination in the surrounding soils. A monitoring system has been installed and is operational. Completion of these activities was reported by ESTI in July, 1988.

Contamination was reported in the soils surrounding the 6,500 gallon Ethanol tank (July 1988) which is the subject of further measurements reported herein.

1.2 Description of Area 1

The 6,500 gallon steel tank containing denatured Ethanol has a total of five (5) wells arranged around three sides. The building is within five feet of the tank on the fourth side disallowing boring on that side. The relative location of the tank, the building, the railroad tracks and the wells are diagrammed on the site map, Figure 3.

2.0 TECHNIQUES

The Leak Detection Investigation follows the guidelines developed by ALT for investigations of underground storage tank facilities and consists of: in-situ measurements throughout the length of the monitoring wells at 2 foot depth intervals using portable instrumentation that provides vapor and soil liquid concentration.

The instruments used by ALT in its EarthProbe System for in-situ data acquisition, Appendix 1, are a Gas Chromatograph (GC) and a Hydroprobe. The detection limit capability of the instrumentation is 0.1 ppm with the GC and 1 mg/kg per 24 hours with the hydroprobe. However, the realistic limit for reporting a leak rate is 0.01 gallons per hour (gph).

The instruments provide vertical profiles of the total organic vapor concentration and total hydrocarbon liquid concentration in the wells. The results of GC analysis of the material in the soil and the GC analysis of the product in the tank when compared, will often indicate the leaking source.

2.1 Monitoring Well Construction

All of the monitoring wells were already in place. Mw 1 and 2 were drilled on March 7, 1988 and Mw 9, 10 and 11 were drilled on August 23, 1988. These wells were completed under the guidance of ESTI and Park. Well construction is described by Park as having slotted PVC liner with a backfill of sand and the well sealed by bentonite grout.

2.2 Sampling

Core samples were obtained by ESTI and Park using a split barrel modified Porter sampler driven by a 140-pound, down-hole hammer. Core samples were taken from selected boring locations, as shown on the boring log (Appendix 2), which may show signs of contamination during drilling.

ALT did not do any soil core sampling. The ESTI/Park samples for laboratory analyses by EPA 8015 were performed by B.C. Laboratories, State-certified, of Bakersfield, California. The protocol followed by those companies is similar to ALT's.

3.0 DISCUSSION

3.1 Geology and Hydrogeology

The site in the San Fernando Valley, is located at the end of the western slope of the Verdugo Mountains called the Burbank Piedmont Slope. The Los Angeles River is 1.5 miles to the south, the Van Nuys Plain is to the east and the Los Angeles Narrows are to the south of the site. The Verdugo Fault, 0.5 miles to the east of the site, forms a major impediment to groundwater flow.

Upper Pleistocene, Older alluvium in the area mainly consists of boulders, gravels and sands of mainly coalescing alluvial fans. Red-brown to gray, unsorted angular to subangular debris are the materials that comprise the Older alluvium. On top of Older alluvium lies Recent alluvium, unconsolidated uncemented sands, silts, silty sands and gravels which are coarser near the sources and finer near the center of the valley.

Older alluvium and Recent alluvium are important water-bearing formations. A thickness of more than 3000 feet is reached in the canyons. The porosity and permeability of the sediments around the site make for high rates of flow and high storativity. The groundwater is unconfined and flows towards the south. The recharge from surface percolation is minimal and takes place mostly from recharge areas and near dams. Most of the creeks and washes are lined with concrete. The Western Wash is about 500 feet to the west and Headworks Spreading Grounds are about one mile to the south of the site.

The site is at approximately 560 foot elevation above Mean Sea Level (MSL) and the water table was described as near 470 to 475 feet MSL, making expected depth to water approximately 85 to 90 feet (see Figure 4).

3.2 Soil Description

Detailed soil description from ESTI and Park is provided on the individual boring logs (Appendix 2). Soil samples from the first ten feet, taken at five foot intervals from all the wells, show the subsurface soil to be mainly dark brown, medium and fine grained silts, mostly moist with no odor except in Well MW 11 which has odor at the 5 foot depth.

The soil profiles in all the wells exhibit a sequence of sands and silts with some gravels and cobbles. Moisture also seems to be stratified with dry layers of sands and silts in between the moist layers. Moisture was noted in Wells MW 1, 9 and 11.

3.3 EarthProbe Data and Analysis

EarthProbe data consists of hydroprobe readings and Organic Vapor Analysis (OVA) readings at two foot intervals and Gas Chromatographic (GC) analysis recordings at points of high concentrations (Appendix 1).

OVA values were recorded on January 10, 1989, and are tabulated for each well (Table 1). The values are very low and range from 1.1 to 2.7 ppm in Wells MW 2 and 10. The values in Well MW 1 range from 25 to 149 ppm of organic vapor concentrations. OVA values in Wells Mw 9 and 10 are very high in the first 20 feet (34,000 to 2000 ppm) and between 1000 and 490 ppm from 25 to 40 feet below grade. The highest value, 34,000 ppm, was recorded from the 5 foot depth of Well MW 9. GC analysis were then run in wells MW 1, MW 9, and MW 11. These analyses are displayed in Figures 5a, 5b, and 5c. The trace is that of alcohol with no other hydrocarbon components indicated.

The hydroprobe readings at two foot vertical intervals are recorded as total count. Total count includes a background value for soil density, water content and total hydrocarbon concentration. The variability of the data indicates the conditions in each well of hydrogenous-based liquid causing the hydroprobe count to increase from the general background.

ALT processes the raw hydroprobe count data through a series of algorithms that fit values to the sediment type and density and to the water content. These values are then removed from the raw data. The remnant value, representing the contaminant, is transformed into concentrations in mg/kg of contaminant in the soil (Table 2).

The distribution pattern of liquid hydrocarbon concentrations in the wells suggest two sources: (1) the leaking tank/piping; and (2) surface spillage. The high liquid concentration values in Well MW 1 from 10 to 18 feet below grade is a tank/piping leak.

A diagrammatic presentation (Figure 6) of the distribution on planar surfaces provides a visualization of the three-dimensional distribution. The liquid concentrations have been calibrated to the laboratory concentrations at the point of the highest concentration.

The liquid concentrations values from Wells MW 2 and MW 9 (Table 2) show gradual decrease in concentration away from MW 1. The Ethanol plume seems to be spreading from MW 1 to MW 9 ten feet below surface. The contaminant has migrated along the wall of the tank to the east end where it is seen in Well MW 2.

The surface spillage is mostly confined between 2 and 4 feet below surface. Wells MW 9, 10 and 11 show very high liquid concentration values ranging between 832 mg/kg and 7632 mg/kg. The concentration values below 6 feet in these wells, range between 0 and 262 mg/kg. The accuracy of the very high surface values is suspect because the hydroprobe can be affected by bentonite and concrete in the monitoring well annulus. Construction techniques may have allowed these materials to have inadvertently found their way to 2 or 4 foot depths, thus causing higher than actual indication of contaminant.

4.0 CONCLUSIONS

It is concluded that:

The volume of contaminant is estimated to be about 55 to 60 cubic yards in the region between 10 and 20 feet below surface. The band of contaminant is found mainly in the backfill but shows evidence of migration into the country soil. Volume of the surface material located 2 to 4 feet below surface is up to 5.5 to 6 cubic yards with concentrations that may be as high as 10,000 mg/kg localized.

1. Ethanol has contaminated the soil around the tank at two depths, each associated with a different source.
2. Contamination around the tank area between 10 and 25 feet below grade is associated with leakage from the tank or tank/piping system.
3. The near surface Ethanol contamination between 2 and 4 feet below surface which has migrated to the railroad tanks is probably surface spillage in the vicinity of the tank location.

5.0 RECOMMENDATIONS

It is recommended that:

1. Both contaminated areas should be remediated.
2. If the release has not been reported, a report should be filed.
3. A remediation plan be made for submission to the County of Los Angeles.
4. The remedial method could be either in-situ using vapor extraction; or by excavation using oxiremediation of the alcohols from the piles of excavated soil on site.

6.0 REFERENCES

The references used in the preparation of this report include, but are not limited to, the following:

1. Water Quality Control Plan Report, Los Angeles River Basin (4B) Part II, Vol. I; State Water Resources Control Board, Los Angeles Region (4), 1975, 438 pages.
2. Watermaster Service in the Upper Los Angeles River Area, Los Angeles County, May, 1988, pp 66, pl. 11.
3. Report by ESTI (7/88)
4. Report by William H. Park & Associates. (9/88)

7.0 LIMITATIONS

The conclusions and recommendations in this report are based on:

1. The test borings performed at this site.
2. The observations of field personnel and analysis of the GC and hydroprobe data.
3. Referenced documents.
4. Underground storage tank regulations of the County of Los Angeles.

It is possible that variations in the soil or groundwater conditions could exist beyond the points explored in this investigation. Also, changes in the groundwater conditions could occur at some time in the future due to variations in rainfall, regional water usage, or other factors not apparent at the time the field investigation was performed.

These services performed by ACTIVE LEAK TESTING, INC. have been conducted in a manner consistent with the level and care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the Los Angeles County area. No other warrant, expressed or implied, is made.

8.

See Q.7 report "Subsurface Report" performed by Active Leak Testing, Inc. to satisfy the requirements of the California Regional Water Quality Board (Appendix E). This report gives the purpose, contractors, dates, and plant locations of that investigation.

No hazardous air quality problems are generated by this facility. Equipment is permitted by the Air Quality Management District.

A. Haig, Envir. & Safety Engr.

9. No records of disposal or placement of hazardous substances at this facility since it was acquired in 1921.

The "Subsurface Report" (Q.7) indicates no hazardous material contamination at this site.

A. Haig, Envir. & Safety Engineer

10. See answer to Q.9. No history or records of any investigation.

A. Haig, Envir. & Safety Engineer

SITE ASSESSMENT

ANDREW JERGENS COMPANY

BURBANK, CALIFORNIA

SEPTEMBER 1988

WILLIAM H. PARK - GEOLOGIST
3040 Nineteenth Street, Suite 10
Bakersfield, California 93301
(805) 327-9681

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| Appendix B | Logs of Test Holes |
| Appendix C | Schematic Diagrams of Monitoring Wells |

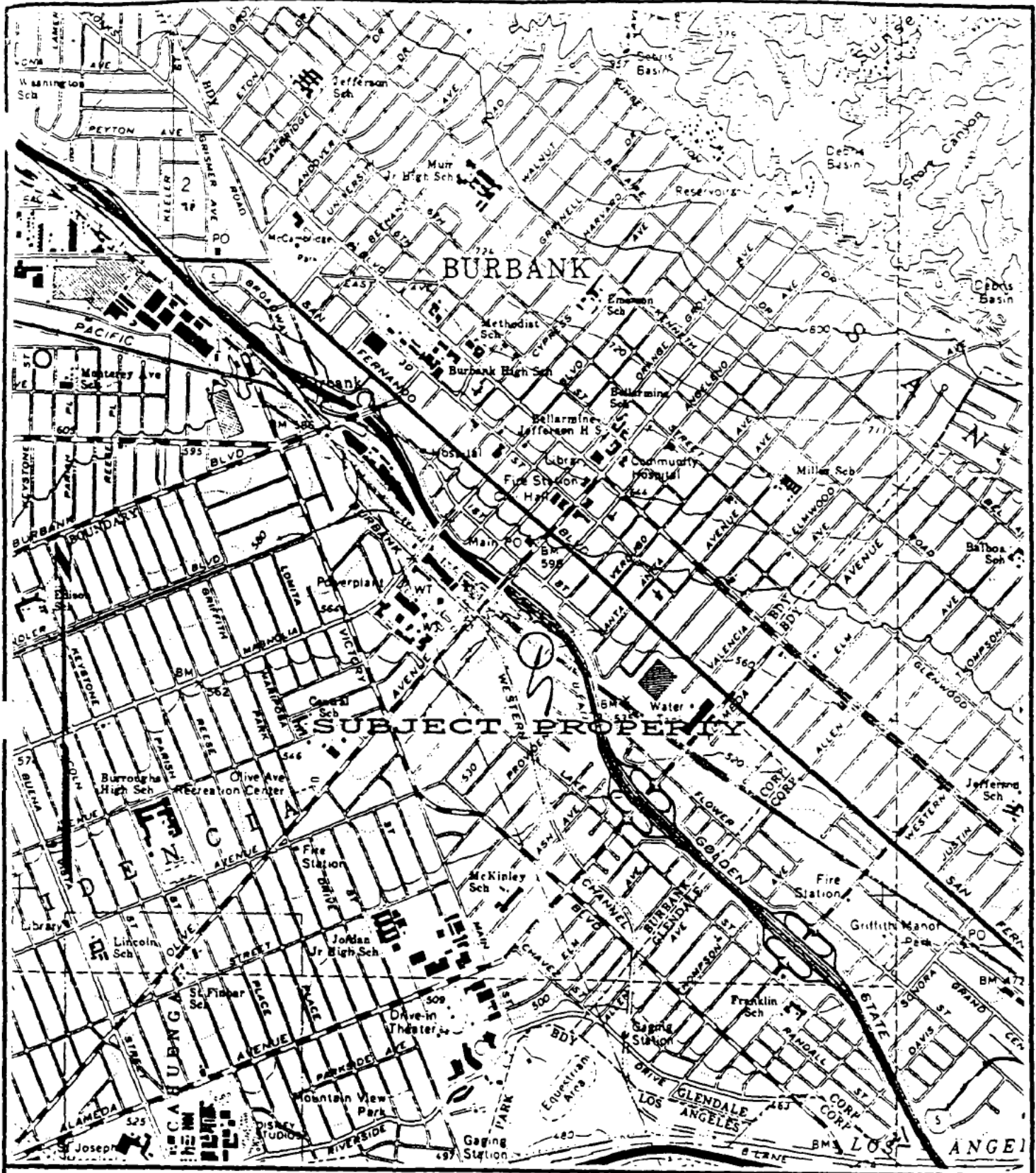
SITE ASSESSMENT
ANDREW JERGENS COMPANY
BURBANK, CALIFORNIA

INTRODUCTION

In accordance with a request by Mr. Bob McMenamy of ESTI Engineering, Incorporated, a site assessment has been performed for a portion of the Andrew Jergens Company manufacturing plant located at 99 West Verdugo Avenue, Burbank, California (see Figure 1). The site is located in the northwest quarter of Section 13 and the northeast quarter of Section 14, T.1N., R.14W., S.B.B. & M.

The following underground storage tanks are located on the property: three 12,000 diesel tanks and one 6,500 gallon ethanol tank (see Table I). The investigation of this site is divided into two regions, referred to as Area No. 1 and Area No. 2. Area No. 1 is the location of the ethanol tank and Area No. 2 is the location of the three diesel tanks (see Figure 2). This report deals with Area No. 1.

The purposes of this study are (1) determine if unauthorized releases of ethanol into the subsurface have occurred at Area No. 1, (2) determine the extent of contamination associated with any such releases, and (3) establish monitoring wells near the ethanol tank. This investigation included an inspection of Area No. 1, drilling and logging 5 test holes, chemical analysis of selected



LOCATION MAP

ANDREW JERGENS COMPANY
99 WEST VERDUGO AVENUE
BURBANK, CALIFORNIA

SCALE: 1" = 2000'

Source of Base Map: U.S.G.S. Burbank 7½ Minute Quadrangle, 1972.

U N D E R G R O U N D T A N K S U M M A R Y

| | Tank # | Size (Gal) | Age (Yrs) | Type of Tank | Present Contents | Past Contents | Pump Type | Usage | Through-Put Gal/Week |
|------------|--------|------------|-----------|--------------|------------------|---------------|-----------|---------------|----------------------|
| Area No. 2 | 1 | 12,000 | 13 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| | 2 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| | 3 | 12,000 | 9 | Steel | Diesel | Same | Turbine | Stdby Fuel | (1) |
| Area No. 1 | 4 | 6,500 | see below | Steel | Ethanol | Same | Suction | Manufacturing | 1,500 |

(1) Historic usage - twice yearly, 16 hour duration, total 5,000 gallons/year.

* The tanks have no secondary containment or leak detection system at present.

* The tanks have no cathodic system at present.

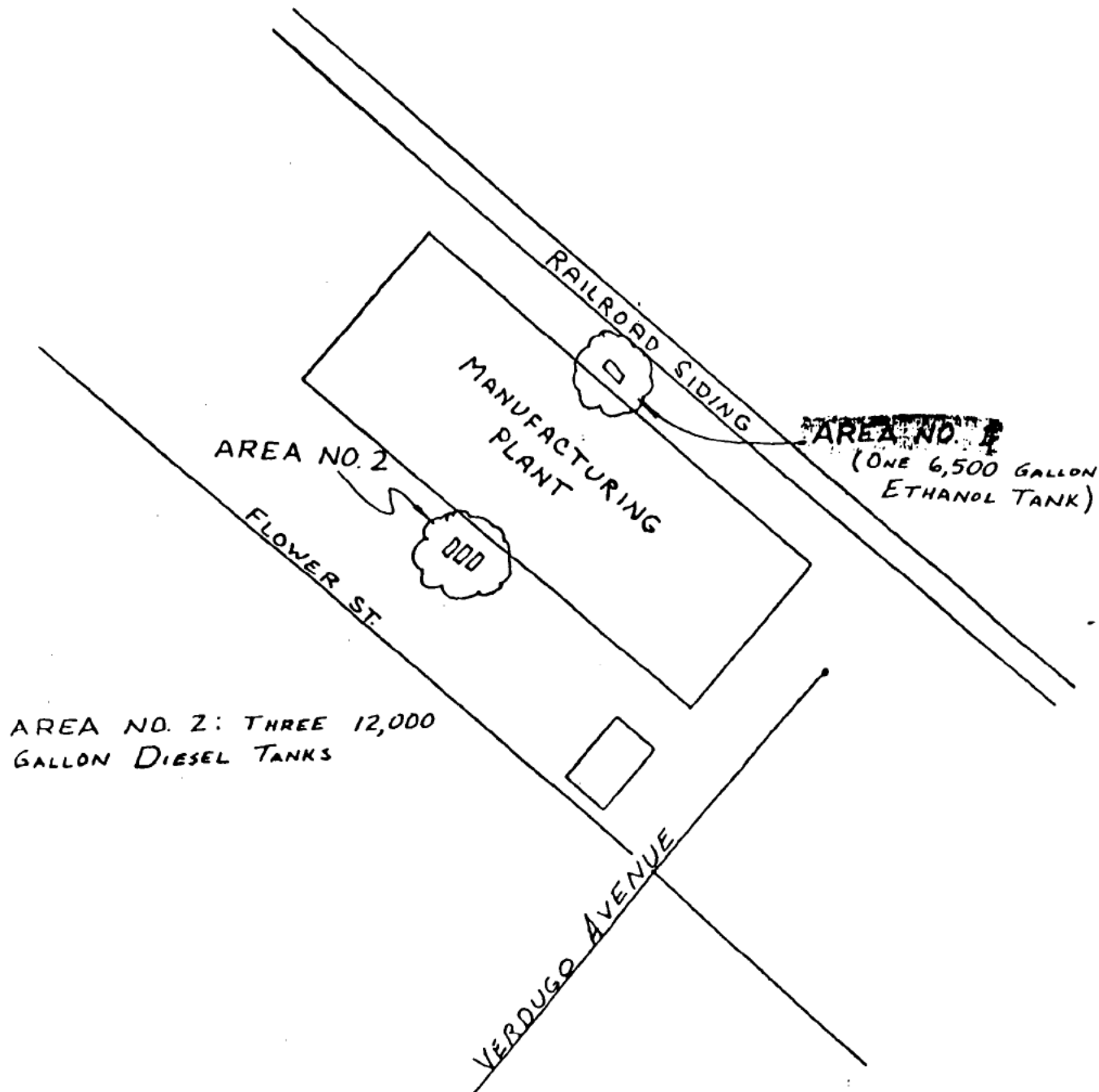
* There have been no suspected or detected leaks in Tanks 1, 2, 3, or 4 or the related piping.

* The 6,500 gallon ethanol tank has reportedly been in place since at least 1945.

VICINITY MAP



NO SCALE



THE ANDREW JERGENS CO.
99 W. VERDUGO AVE.
BURBANK CALIF

soil samples, emplacement of 5 monitoring wells, research of available information sources, and the preparation of this report by Mr. Duane R. Smith, Registered Geologist No. 3584 and Mr. Thomas F. Gatcher, Assistant Geologist.

The geological investigation reported herein has been conducted in accordance with generally recognized and current state-of-the-art geological procedures. The geological factors that were considered are outlined in this report. Other geological factors were not considered inasmuch as they were not deemed relevant to the intended land use and the scope of this investigation. This investigation was conducted to the best of the investigative geologists' abilities in accordance with the foregoing limitations.

SITE INVESTIGATION

Test Holes

Two test holes (M.W. Nos. 1 and 2) were drilled on March 7, 1988 near the ethanol tank to determine if any subsurface ethanol contamination exists and to establish monitoring wells in the test holes. The test hole locations were chosen by ESTI Engineering, Incorporated. Three additional test holes (M.W. Nos. 9 through 11) were drilled on August 23, 1988 in an attempt to delineate the extent of contamination found in the initial investigation and to establish additional monitoring wells. The numbering of the test holes is not sequential because M.W. Nos. 3 through 8 were drilled

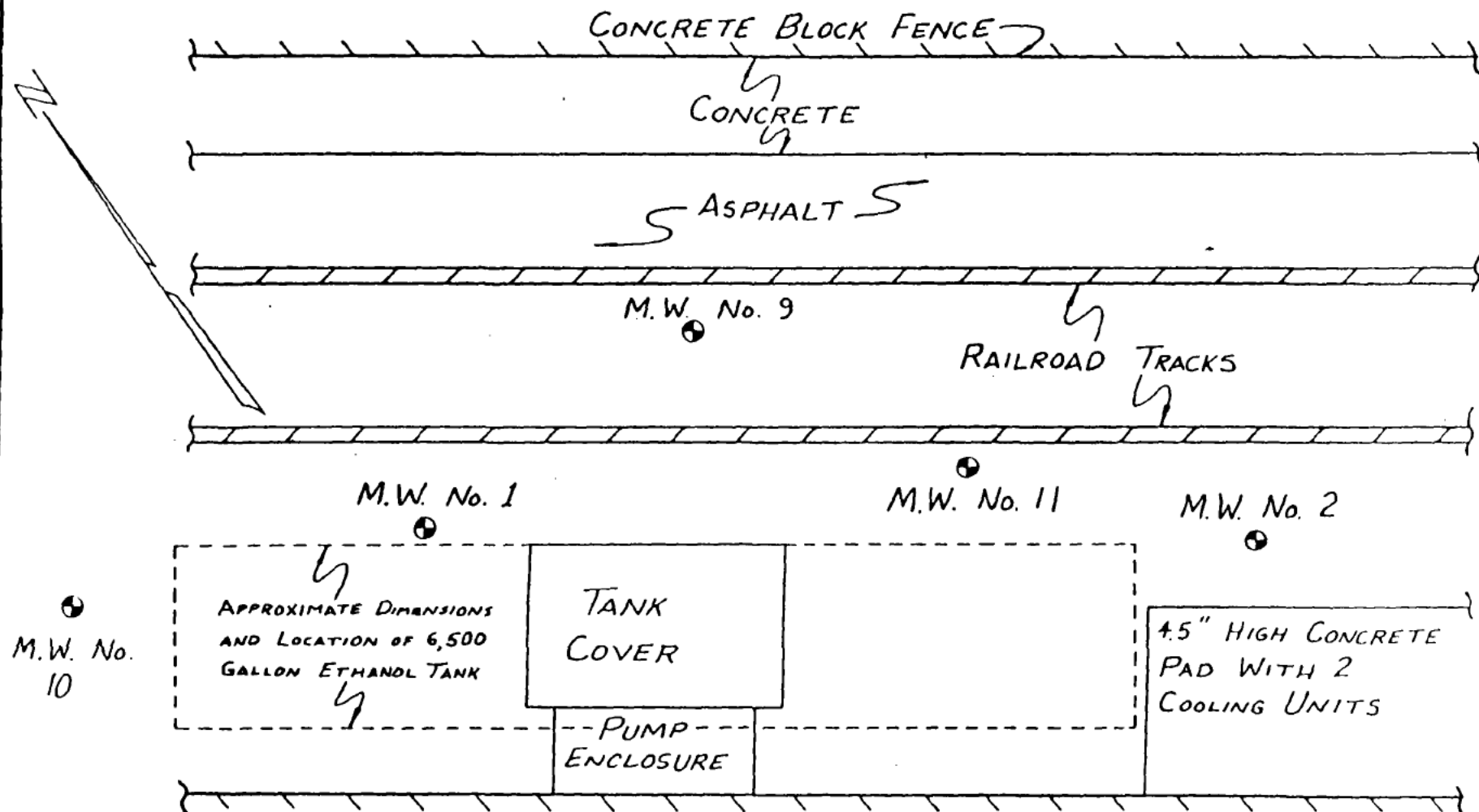
in Area No. 2. These test hole locations were chosen by ESTI Engineering, Incorporated and William H. Park and Associates. All five test hole locations are shown on Figure 3.

M.W. Nos. 1, 9, 10, and 11 were drilled to a depth of 40 feet each. M.W. No. 2 was drilled to a depth of 20 feet. Soil samples were collected from each test hole at 5 foot intervals starting at a depth of 5 feet. No 5 foot sample was collected from M.W. No. 2 because the loose sediments would not remain in the sampler. One soil sample from each sample point was immediately sealed and placed on ice for transport to a state certified laboratory. Another soil sample from each sample point was used for field screening and soil descriptions.

Selected soil samples were submitted to B. C. Laboratories in Bakersfield, California and analyzed for ethanol content. Appendix A lists the results of the chemical analyses and includes the chain of custody records. Appendix B shows logs of the test holes which include a summary of the chemical analyses.

The 10, 20, 30, 35, and 40 foot samples from M.W. No. 1 were analyzed. The 15 and 20 foot samples from M.W. No. 2 were analyzed. The 10, 15, 20, 30, and 40 foot samples from M.W. No. 9 were analyzed. The 5, 15, 20, 30, and 40 foot samples from M.W. No. 10 were analyzed. The 5, 10, 15, 20, 25, and 40 foot samples from M.W. No. 11 were analyzed.

SITE MAP - AREA No. 1
ANDREW JERGENS COMPANY



MANUFACTURING PLANT

SCALE: 1" = 5'

TEST HOLE LOCATION - ●

WILLIAM H. PARK AND ASSOCIATES - SEPTEMBER 1988

No ethanol was detected in the 10 foot sample from M.W. No. 1. The 20 foot sample from M.W. No. 1 reportedly contained 11,208.00 ppm ethanol. The 30 foot sample from M.W. No. 1 reportedly contained 41.00 ppm ethanol. The 35 foot sample from M.W. No. 1 reportedly contained 92.00 ppm ethanol. The 40 foot sample from M.W. No. 1 reportedly contained 32.00 ppm ethanol. No ethanol was detected in M.W. No. 2. No ethanol was detected in the 10 foot sample from M.W. No. 9. The 15 foot sample from M.W. No. 9 reportedly contained 390 ppm ethanol. No ethanol was detected in the 20, 30, or 40 foot samples from M.W. No. 9. No ethanol was detected in M.W. No. 10. No ethanol was detected in the 5 foot sample from M.W. No. 11. The 10 foot sample from M.W. No. 11 reportedly contained 0.40 ppm ethanol. No ethanol was detected in the 15, 20, 25, and 40 foot samples from M.W. No. 11.

Monitoring Wells

All five of the test holes were completed as monitoring wells. M.W. No. 1 was completed to a depth of about 35 feet. M.W. No. 2 was completed to a depth of about 20 feet. M.W. Nos. 9, 10, and 11 were completed to a depth of about 40 feet each. All of the monitoring wells were completed with 2 inch diameter PVC casing.

M.W. No. 1 was completed using three 10 foot joints of slotted screen beneath a 4 foot joint of blank casing. M.W. No. 2 was completed using a 10 foot joint of slotted screen beneath a 3 foot joint of slotted screen beneath a 5 foot joint of blank casing.

M.W. Nos. 9, 10, and 11 were completed using seven 5 foot joints of slotted screen beneath a 5 foot joint of blank casing. An additional 1 foot joint of blank casing was attached to the top of the string in M.W. No. 10 because the casing settled into the hole. The screened intervals utilize a 0.020 inch slot width and a 2 inch slot length. The slots are oriented horizontally around the casing. A threaded end cap is connected to the bottom of the string.

The screened intervals are packed with #3 Monterey sand to at least the top of the screened intervals. A one to two foot thick bentonite seal covers the sand pack. Concrete grout covers the bentonite seal. The entire assembly is covered with a 14 inch diameter water-tight traffic box. Appendix C shows schematic diagrams of the five monitoring wells.

SITE GEOLOGY

According to the Geologic Map of California, Los Angeles Sheet, the sediments underlying the site are composed of Holocene alluvium consisting of clay, silt, sand, and gravel. These sediments are unconsolidated, poorly stratified to well stratified, and include alluvial fan, floodplain, and streambed deposits. The sediments recovered from the test holes consist of sand, silt, sandy silt, and silty sand. Gravel and cobbles are common. The sediments are generally moderately-sorted to very poorly-sorted and unconsolidated to poorly indurated.

Groundwater was not encountered in any of the test holes. The nearest available groundwater data is from a well located about one-quarter to one-half mile to the west (State Well No. 01N/14W-14B08). The depth to water in this well was measured at 91.6 feet on April 16, 1979. This data was obtained from microfiche provided by the Upper Los Angeles River Area (ULARA) Water Master, Department of Water and Power, City of Los Angeles. A verbal report by a representative of the ULARA Water Master stated that the current depth to water at the intersection of Olive Avenue and Victory Boulevard (see Figure 1) is about 200 feet.

CONCLUSIONS

Based on the results of this investigation, some high level ethanol contamination exists at Area No. 1. However, the vertical and horizontal extent of this contamination appears to be rather limited. Significant contamination was found in only two of the test holes (M.W. Nos. 1 and 9) and only two of the soil samples reportedly contained ethanol in concentrations greater than 100 ppm: M.W. No. 1 at 20 feet - 11,208.00 ppm and M.W. No. 9 at 15 feet - 390 ppm. It is probable, based on field screening, that the 25 foot sample from M.W. No. 1 contained significant concentrations as well, but this sample was not analyzed.

The data collected from M.W. No. 9 suggests that this test hole is located near the edge of the contaminant plume. The data from M.W. Nos. 2, 10, and 11 indicates that the plume does not extend

to the northwest more than 10 feet beyond M.W. No. 1 or to the southeast more than about 15 feet beyond M.W. No. 1. M.W. No. 1 is assumed to be near the center of the plume. The data indicates that the contamination is concentrated at a depth of 20 to 25 feet in the vicinity of M.W. No. 1. It is likely that contamination exists below the tank as well. It is not known if contamination exists beneath the edge of the manufacturing plant.

The source of this contamination is not known for certain, but spillage associated with tank filling is suspected for the following reasons. The Andrew Jergens Company reportedly keeps accurate records of the product inventory. No significant product losses have been reported, so tank leakage is not a probable source. Product line leakage is not suspected because the system operates off a suction pump (see Table I) which would not cause significant product losses even if line leaks exist. Furthermore, the inventory records should detect such losses. Also, M.W. No. 1, where the highest contamination was found, is the test hole closest to the fill port.

RECOMMENDATIONS

Three possible remedial action alternatives are excavation and disposal, vapor extraction, and no-action.

Excavation and disposal would involve removing the tank and any soil beneath the tank area found to be significantly contaminated.

This method is not practical at this site because of (1) high cost, (2) disruption of operations at the plant, and (3) possible endangerment of the building's structure.

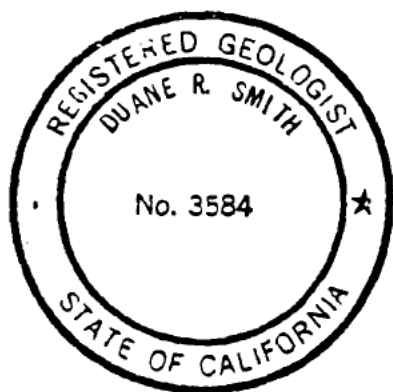
Vapor extraction would involve emplacement of one or more extraction wells from which the volatile ethanol vapors could be extracted with a vacuum system and then treated. Two methods of vapor treatment are incineration at the exhaust point and filtration. M.W. No. 1 could serve as an extraction well. The effluent would have to be periodically sampled and analyzed to determine the effectiveness of the extraction.

The no-action alternative involves leaving the contamination in place and monitoring the subsurface periodically for any increases in the level and extent of contamination. Five monitoring wells are already available for this purpose.

Both the vapor extraction and the no-action alternative seem to be reasonable choices for this site. Vapor extraction is fairly low in cost and the equipment can be left at the site with little supervision. Vapor extraction has proven to be quite effective in removing volatile constituents like ethanol from relatively coarse soils like those beneath Area No. 1. The no-action alternative is very low in cost, but has the disadvantage of not removing or neutralizing any of the contaminants. Given the depth to groundwater beneath the site and the possible lack of an active source, the contamination does not appear to present a threat to the

environment. It must be understood, however, that as long as the contaminated soil is present below the property, the owners are subject to accepting any future liability for this contamination however remote the chances of it affecting any biological receptors may be.

Even though the no-action alternative seems reasonable, the Andrew Jergens Company may wish to investigate the potential for vapor extraction and other possible methods not mentioned herein.



Submitted by:

Duane R. Smith

Duane R. Smith
Registered Geologist
State of California No. 3584

Thomas F. Gutch

Thomas F. Gutch
Assistant Geologist

AGRICULTURE

CHEMICAL ANALYSIS

PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-1

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @10'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | none detected | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

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NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-2

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURGANK
MW #1 @20'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | 11208.00 | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-3

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @ 30'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | 41.00 | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-4

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @35'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| THANOL | 92.00 | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-5

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #1 @40'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | 32.00 | 25.00 |

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plausone
Analyst

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-6

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BUREAK
MW #2 @ 15'

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

Constituent

Results, $\mu\text{g/g}$

MRL, $\mu\text{g/g}$

ETHANOL

none detected

25.00

Comments:

By

J. J. Eglin
J. J. Eglin

Robert Plaisance
Analyst

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NONHALOGENATED VOLATILE ORGANIC
(SOIL)

E.S.T.I. ENGINEERING
P.O. BOX 10941
BAKERSFIELD, CA. 93389

DATE OF
REPORT: 4/06/88
LAB NO.: 1812-7

SAMPLE DESCRIPTION:

A. JERGENS CO 99 W VERDUGO, BURBANK
MW #2 @ 20"

DATE
SAMPLE COLLECTED:
3/08/88

DATE SAMPLE
RECEIVED @ LAB:
3/09/88

DATE ANALYSIS
COMPLETED:
4/05/88

TEST METHODS: EPA 3550/MODIFIED 8015 ETHANOL ONLY

| Constituent | Results, $\mu\text{g/g}$ | MRL, $\mu\text{g/g}$ |
|-------------|--------------------------|----------------------|
| ETHANOL | none detected | 25.00 |

Comments:

By J. J. Eglin
J. J. Eglin

Robert R. Rasmussen
Analyst

Location of Sampling: A. Jergens Co., 99 W. Verdugo, Burbank

Collector: Tom Gutcher Date Sampled 3/7/88 Time a.m. hours

Location of Sampler: W. H. Park and Associates

Address: 3040 19th St. Bakersfield, CA 93301
number street city state zip

Telephone: (805) 327-9681 Company Contact: Tom

| Container Type | COLLECTOR'S SAMPLE NO. | TYPE OF SAMPLE* | FIELD INFORMATION** |
|------------------|---------------------------|--------------------|--------------------------------|
| <u>pass ring</u> | <u>MW# 1</u> | <u>soil</u> | <u>10', 20', 30', 35', 40'</u> |
| <u>pass ring</u> | <u>MW# 2</u> | <u>soil</u> | <u>15', 20'</u> |

MATERIAL SAMPLED soil near 6,500 gallon ethanol tank

DEPTH 10' to 40' METHOD OF SAMPLING split spoon
(THIEF, COREHOLE, ETC.)

Analysis Requested Gas Chromatograph - FID in
alcohol column per clients proposal

Test Method

Preservation methods: keep cold until analyzed

* Indicate whether sample is soil, sludge, etc.

** Use back of page for additional information relative to sample location

Sample Receiver:

1. B. C. Laboratories

name and address of organization receiving sample

contact: Mr. Blair Burgess, County of L.A.

Waste Management Division

1450 Alcazar St., L.A. 90033

#1812-1 thru 7

Chain of Possession:

1. Tom Gutcher Geologist 3/7/88-3/8/88
signature title inclusive dates

2. Jean Malche 3-8-88
signature title inclusive dates

AGRICULTURE
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

W. H. Park & Associates
3040 19th Street, Suite 10
Bakersfield, CA 93301

Date Reported: 9/15/88
Date Received: 8/25/88
Laboratory No.: 6379-1 to 6379-16

Attention: Mr. Tom Gutchner

Sample: Job #87148 Monitoring Well Near 6500 Gallon Ethanol Tank

Sample Description

Ethanol, ugm/gm

| | |
|-------------------------|------|
| MW #9 @ 10' 8/23/88 AM | N.D. |
| MW #9 @ 15' 8/23/88 AM | 390 |
| MW #9 @ 20' 8/23/88 AM | N.D. |
| MW #9 @ 30' 8/23/88 AM | N.D. |
| MW #9 @ 40' 8/23/88 AM | N.D. |
| MW #10 @ 5' 8/23/88 PM | N.D. |
| MW #10 @ 15' 8/23/88 PM | N.D. |
| MW #10 @ 20' 8/23/88 PM | N.D. |
| MW #10 @ 30' 8/23/88 PM | N.D. |
| MW #10 @ 40' 8/23/88 PM | N.D. |
| MW #11 @ 5' 8/23/88 PM | N.D. |
| MW #11 @ 10' 8/23/88 PM | 0.40 |
| MW #11 @ 15' 8/23/88 PM | N.D. |
| MW #11 @ 20' 8/23/88 PM | N.D. |
| MW #11 @ 25' 8/23/88 PM | N.D. |
| MW #11 @ 40' 8/23/88 PM | N.D. |

Method of Analysis: AOAC D 11.01

MRL = Minimum Reporting Level

N.D. = Not detected

MRL = 0.2 ugm/gm

ugm/gm = micrograms per gram

B C LABORATORIES, INC.

BY

J. J. Eglin
J. J. Eglin

CHAIN OF C STUDY RECORD

| Location of Sampling | Collector | Client |
|---|---|--|
| Name: _____ | Name: <u>TOM GUTCHER</u> | Name: <u>BOB McMENAMY</u> |
| Company: <u>ANDREW JERGENS Co.</u> | Company: <u>W.H. Park & Associates</u> | Company: <u>ESTI ENGINEERING</u> |
| Address: <u>99 W. VERDUGO AVE</u> <u>BURBANK, CALIFORNIA</u> | Address: <u>3040 19th St., Suite 10</u> <u>Bakersfield, CA 93301</u> | Address: <u>P.O. Box 10941</u> <u>BAKERSFIELD, CALIF.</u> |
| Telephone: () | Telephone: (805) 327-9681 | Telephone: (805) 325-8276 |
| Bill to Property Owner () | Bill to Collector () | Bill to Client (X) |

Sampling Method: SPLIT SPOON Sample Type: SOIL Preservation Methods: KEEP COLD UNTIL ANALYZED

| Sample No. | Date | Time | Description | Analysis Requested | Laboratory No. |
|------------|----------|------|---|-------------------------------------|----------------|
| MW#9@10' | 08/23/88 | a.m. | MONITORING WELL NEAR 6500 GALLON ETHANOL TANK | EPA 3550/MODIFIED 8015 ETHANOL ONLY | 6379 - 1 |
| MW#9@15' | 08/23/88 | { | { | { | - 2 |
| MW#9@20' | 08/23/88 | | | | - 3 |
| MW#9@30' | 08/23/88 | | | | - 4 |
| MW#9@40' | 08/23/88 | | | | - 5 |
| MW#10@5' | 08/23/88 | p.m. | MONITORING WELL NEAR 6500 GALLON ETHANOL TANK | { | - 6 |
| MW#10@15' | 08/23/88 | { | { | | - 7 |
| MW#10@20' | 08/23/88 | | | | - 8 |

| | | |
|-------------------------------------|--|-----------------------|
| Relinquished By: <u>Tom Gutcher</u> | Company: <u>W.H. PARK & ASSOC.</u> | Date: <u>08/24/88</u> |
| Received By: <u>Carl Zullig</u> | Company: <u>ESTI ENGINEERING</u> | Date: <u>8/24/88</u> |
| Relinquished By: <u>Carl Zullig</u> | Company: " " | Date: <u>8/25/88</u> |
| Received By: <u>Maureen Bessley</u> | Company: <u>BC Labs</u> | Date: <u>8-25</u> |
| Relinquished By: _____ | Company: _____ | Date: _____ |
| Received By: _____ | Company: _____ | Date: _____ |

CHAIN OF CUSTODY RECORD

| <u>Location of Sampling</u> | <u>Collector</u> | <u>Client</u> |
|------------------------------------|--|----------------------------------|
| Name: _____ | Name: <u>Tom GUTCHER</u> | Name: <u>BOB McMENAMY</u> |
| Company: <u>ANDREW JERGENS Co.</u> | Company: <u>W.H. Park & Associates</u> | Company: <u>ESTI ENGINEERING</u> |
| Address: <u>99 W. VERDUGO AVE.</u> | Address: <u>3040 19th St., Suite 10</u> | Address: <u>P.O. Box 10941</u> |
| <u>BURBANK, CALIFORNIA</u> | <u>Bakersfield, CA 93301</u> | <u>BAKERSFIELD, CALIF.</u> |
| Telephone: () | Telephone: (805) 327-9681 | Telephone: (805) 325-9276 |
| Bill to Property Owner () | Bill to Collector () | Bill to Client (X) |

| Sampling Method: <u>SPLIT SPOON</u> | | | Sample Type: <u>SOIL</u> | Preservation Method: <u>KEEP COLD UNTIL ANALYZED</u> | | |
|-------------------------------------|----------|------|---|--|--|----------------|
| Sample No. | Date | Time | Description | Analysis Requested | | Laboratory No. |
| MW#10@30' | 08/23/88 | P.M. | MONITORING WELL NEAR 6500 GALLON ETHANOL TANK | EPA 3550 / MODIFIED 8015 ETHANOL ONLY | | 6379 - 9 |
| MW#10@40' | 08/23/88 | | ↓ | | | - 10 |
| MW#11@5' | 08/23/88 | | MONITORING WELL NEAR 6500 GALLON ETHANOL TANK | | | - 11 |
| MW#11@10' | 08/23/88 | | | | | - 12 |
| MW#11@15' | 08/23/88 | | | | | - 13 |
| MW#11@20' | 08/23/88 | | | | | - 14 |
| MW#11@25' | 08/23/88 | | | | | - 15 |
| MW#11@40' | 08/23/88 | | ↓ | | | - 16 |

| | | |
|---------------------------------------|--|-----------------------|
| Relinquished By: <u>Tom Gutcher</u> | Company: <u>W.H. PARK & ASSOC.</u> | Date: <u>08/24/88</u> |
| Received By: <u>Carl Phillips</u> | Company: <u>ESTI ENGINEERING</u> | Date: <u>8/24/88</u> |
| Relinquished By: <u>Carl Phillips</u> | Company: <u>ESTI ENGINEERING</u> | Date: <u>8/25/88</u> |
| Received By: <u>Marjorie Beasley</u> | Company: <u>BC Labs</u> | Date: <u>8-25-88</u> |
| Relinquished By: _____ | Company: _____ | Date: _____ |
| Received By: _____ | Company: _____ | Date: _____ |

LOG OF TEST HOLE

| Lithologic Column | Sample Depths | Meter Reading (ppm) | W. H. PARK AND ASSOCIATES | | |
|-------------------|---------------|---------------------|--|---|--|
| | | | LOCATION: <u>Andrew Jergens Co., Burbank</u> TEST HOLE IDENTIFICATION: <u>MW No. 1</u> DATE DRILLED: <u>03/07/88</u> ELEVATION: <u>550±'</u> RIG TYPE: <u>6" Hollow Stem Flight Auger</u> | | |
| | | | Total Petroleum Hydrocarbons ppm gasoline ppm diesel | Lithologic Description | |
| 0 | | | Analysis For Ethanol (ppm) | | |
| 5 | * | 0 | | Silt, dark brown, poorly indurated, moist, no odor. | |
| 10 | ⊙ | 0 | None Detected | Silt, greenish-grey, sandy, fine to coarse grained, poorly indurated, moist, no odor. | |
| 15 | * | 3 | | Gravelly, slight odor. | |
| 20 | ⊙ | 110 | 11,208.00 | Brown, odor. | |
| 25 | * | 80 | | Coarser, odor. | |
| 30 | ⊙ | 15 | 41.00 | Gravelly, odor. | |
| 35 | ⊙ | 0 | 92.00 | Slight odor. | |
| 40 | ⊙ | 0 | 32.00 | Sand, tan, fine to very coarse grained, gravelly, loose, slight odor. | |

T.D. - 40'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 2

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> Total Petroleum Hydrocarbons </div> <div style="text-align: center;"> ppm gasoline ppm diesel </div> </div> | Analysis For Ethanol (ppm) | Lithologic Description |
|-----------------|----------------------|------------------|---------------------------|--|-------------------------------------|--|
| | | | | | | |
| 0 | | | | | | |
| 5 | | | | | | No recovery. |
| 10 | | * | 0 | | | Silt, brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor. |
| 15 | | ⊙ | 0 | None Detected | | No odor. |
| 20 | | ⊙ | 0 | None Detected | | Fine to coarse grained, gravelly, dry, no odor. |
| 25 | | | | | | |
| 30 | | | | | | |
| 35 | | | | | | |
| 40 | | | | | | |

T.D. - 20'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 9

DATE DRILLED: 08/23/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total | | |
|-------------------|---------------|---------------------|----------------------------|--------------|---|
| | | | Petroleum | Hydrocarbons | |
| | | | ppm gasoline | ppm diesel | |
| 0 | | | Analysis For Ethanol (ppm) | | |
| 5 | * | 1 | | | Silt, dark brown, sandy, fine to medium grained, poorly indurated, moist, no odor. |
| 10 | ⊙ | 1 | None Detected | | Fine to coarse grained, no odor. |
| 15 | ⊙ | 22 | 390 | | Silt, greenish-brown, sandy, fine to very coarse grained, poorly indurated, moist, strong odor. |
| 20 | ⊙ | 0 | None Detected | | Sand, brown, silty, fine to very coarse grained, poorly indurated, moist, no odor. |
| 25 | * | 0 | | | Gravel common, no odor. |
| 30 | ⊙ | 0 | None Detected | | Gravel absent, no odor. |
| 35 | * | 0 | | | Sand, tan, very fine to very coarse grained, poorly indurated, moist, no odor. |
| 40 | ⊙ | 0 | None Detected | | Silt, dark brown, sandy, fine to very coarse grained, poorly indurated, moist, no odor. |

T.D. - 40'

* - Sample Location ⊙ - Sample Analyzed

LOG OF TEST HOLE

| Lithologic Column | Sample Depths | Meter Reading (ppm) | W. H. PARK AND ASSOCIATES | |
|-------------------|---------------|---------------------|---|---|
| | | | LOCATION: <u>Andrew Jergens Co., Burbank</u> TEST HOLE IDENTIFICATION: <u>MW No. 10</u> DATE DRILLED: <u>08/23/88</u> ELEVATION: <u>550±'</u> RIG TYPE: <u>6" Hollow Stem Flight Auger</u> | |
| | | | Total Petroleum Hydrocarbons ppm gasoline ppm diesel | Lithologic Description |
| | | | Analysis For Ethanol (ppm) | |
| 0 | | | | |
| 5 | ⊙ | 5 | None Detected | Silt, dark brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor. |
| 10 | * | 0 | | Fine to very coarse grained, gravel common, cobbles common, no odor. |
| 15 | ⊙ | 5 | None Detected | Gravel absent, cobbles absent, no odor. |
| 20 | ⊙ | 0 | None Detected | Sand, brown, silty, fine to very coarse grained, poorly indurated, moist, no odor. |
| 25 | * | 0 | | Gravel common, cobbles common, no odor. |
| 30 | ⊙ | 0 | None Detected | Sand, tan, very fine to very coarse grained, gravel abundant, poorly indurated, moist, no odor. |
| 35 | * | 0 | | Sand, brown, silty, fine to very coarse grained, poorly indurated, moist, no odor. |
| 40 | ⊙ | 0 | None Detected | No odor. |

T.D. - 40'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jercens Co., Burbank

TEST HOLE IDENTIFICATION: MW No. 11

DATE DRILLED: 08/23/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | | Lithologic Description |
|-------------------|---------------|---------------------|------------------------------|------------|---|
| | | | ppm gasoline | ppm diesel | |
| | | | Analysis For Ethanol (ppm) | | |
| | | | None Detected | | |
| 0 | | | | | |
| 5 | ⊛ | 7 | None Detected | | Silt, dark brown, sandy, fine to medium grained, poorly indurated, moist, slight odor. |
| 10 | ⊛ | 25 | 0.40 | | Silt, dark greenish-grey, sandy, fine to coarse grained, poorly indurated, moist, odor. |
| 15 | ⊛ | 12 | None Detected | | Silt, brown, sandy, fine to coarse grained, poorly indurated, moist, slight odor. |
| 20 | ⊛ | 3 | None Detected | | Fine to very coarse grained, gravel rare, no odor. |
| 25 | ⊛ | trace | None Detected | | Sand, brown, silty, fine to very coarse grained, gravel abundant, poorly indurated, moist, no odor. |
| 30 | * | 0 | | | Gravel absent, no odor. |
| 35 | * | 0 | | | Sand, tan, very fine to very coarse grained, gravel common, poorly indurated, moist, no odor. |
| 40 | ⊛ | 0 | None Detected | | No odor. |

T.D. - 40'

* - Sample Location

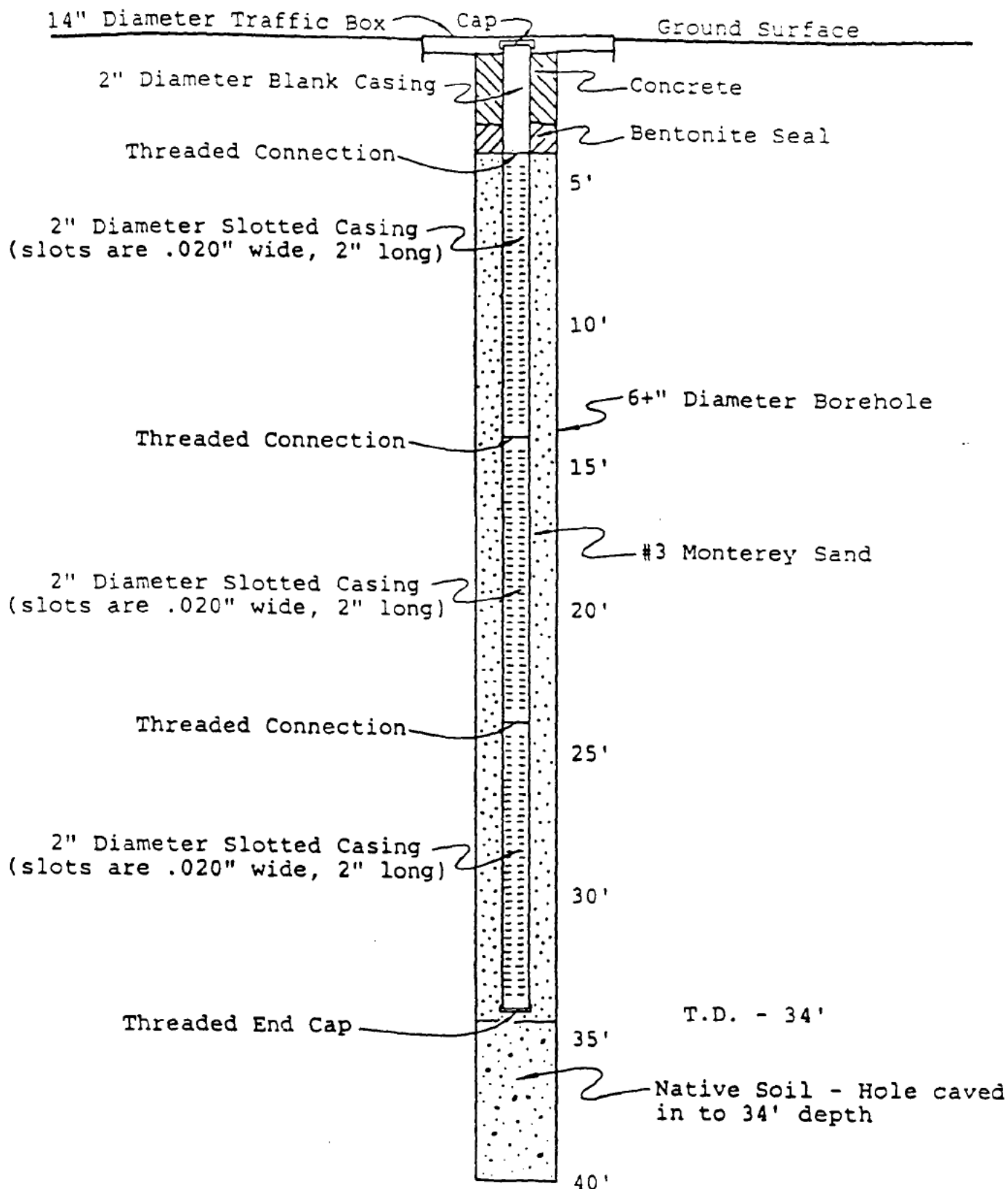
⊛ - Sample Analyzed

SCHEMATIC DIAGRAM OF MONITORING WELL

ANDREW JERGENS COMPANY

BUREBANK, CALIFORNIA

MONITORING WELL: M.W. No. 1



SCALE: Vertical 1" = 5' Horizontal 1" = 10"

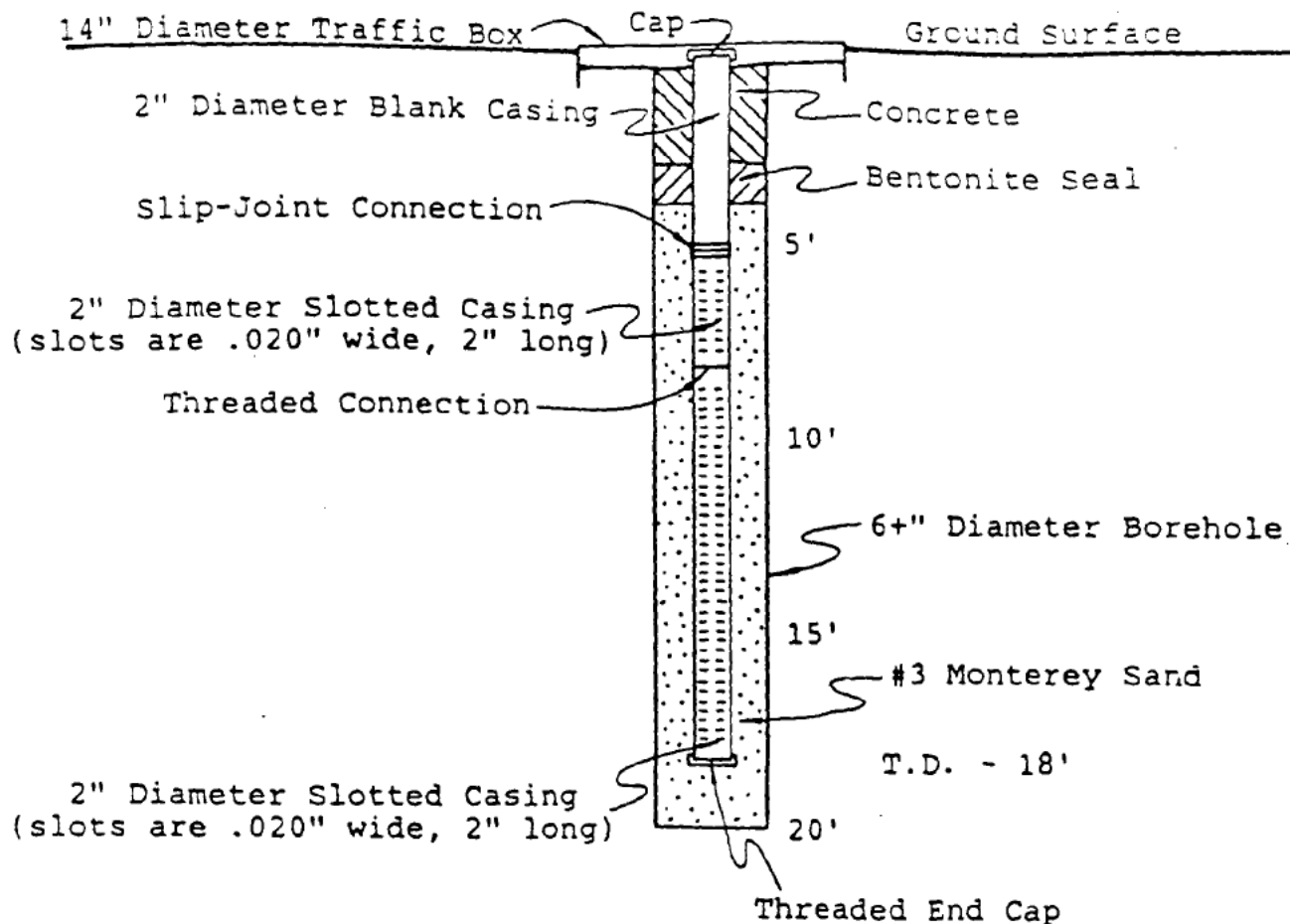
W. H. PARK AND ASSOCIATES - SEPTEMBER 1988

SCHEMATIC DIAGRAM OF MONITORING WELL

ANDREW JERGENS COMPANY

BUREANK, CALIFORNIA

MONITORING WELL: M.W. No. 2

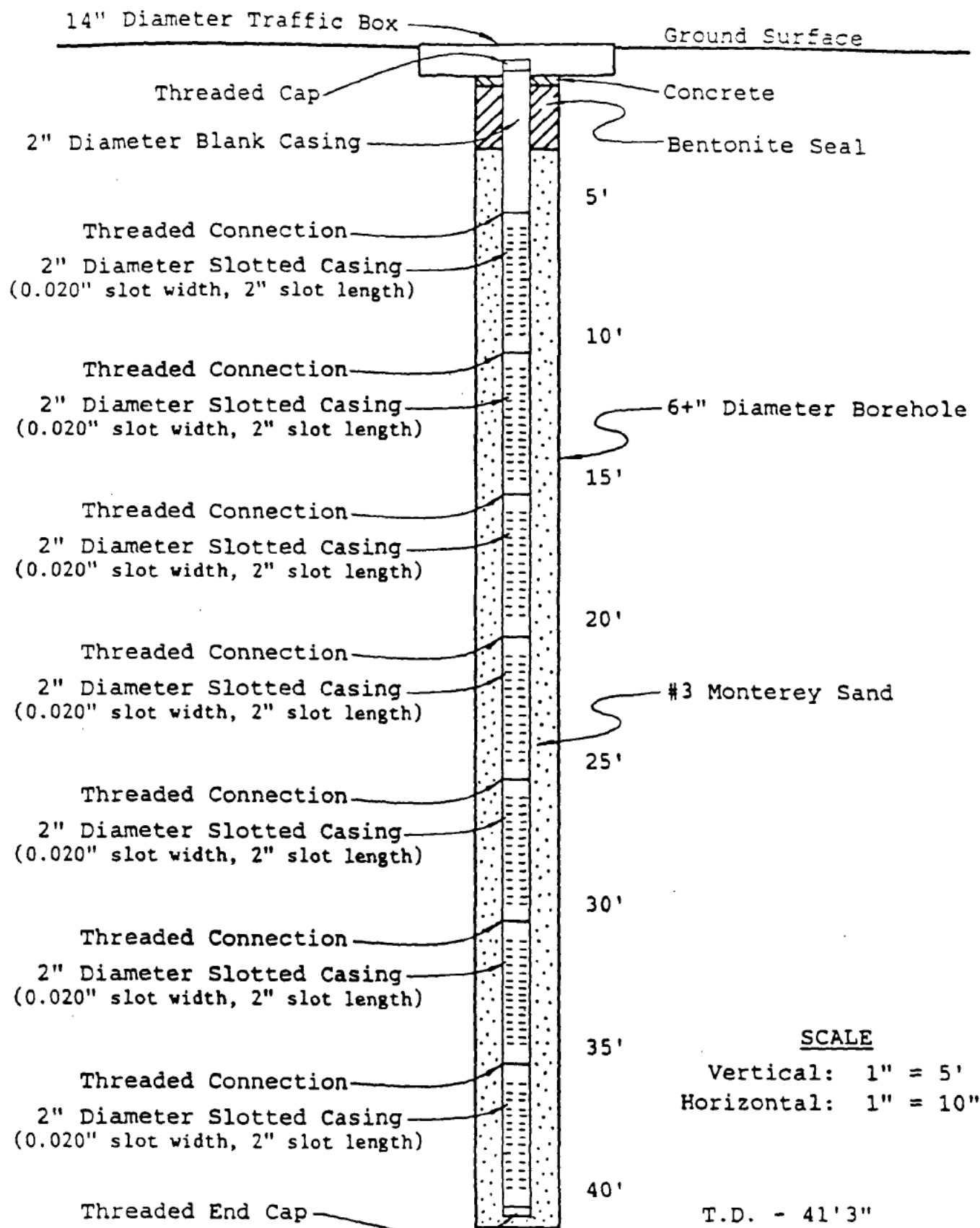


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - SEPTEMBER 1988

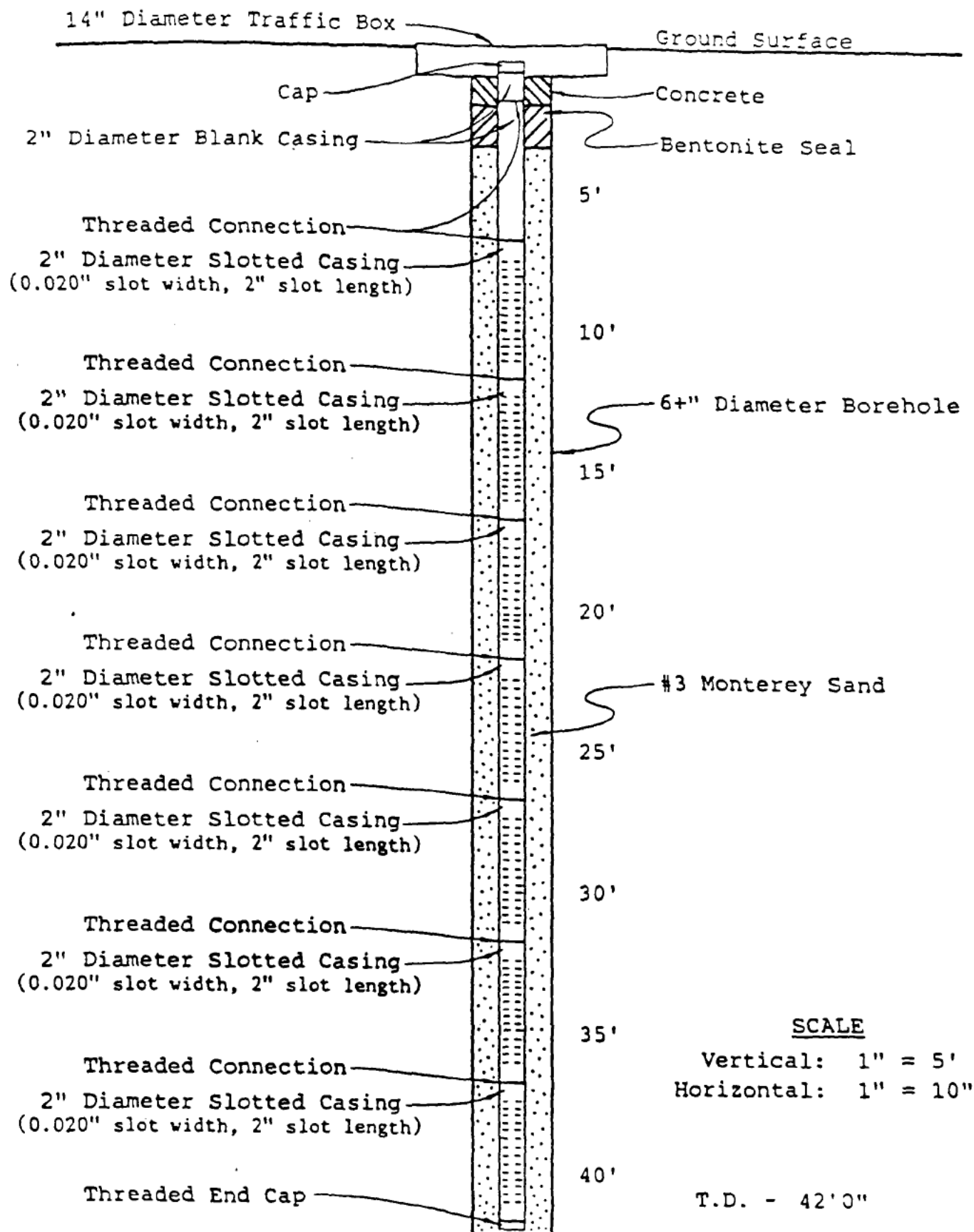
SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 9



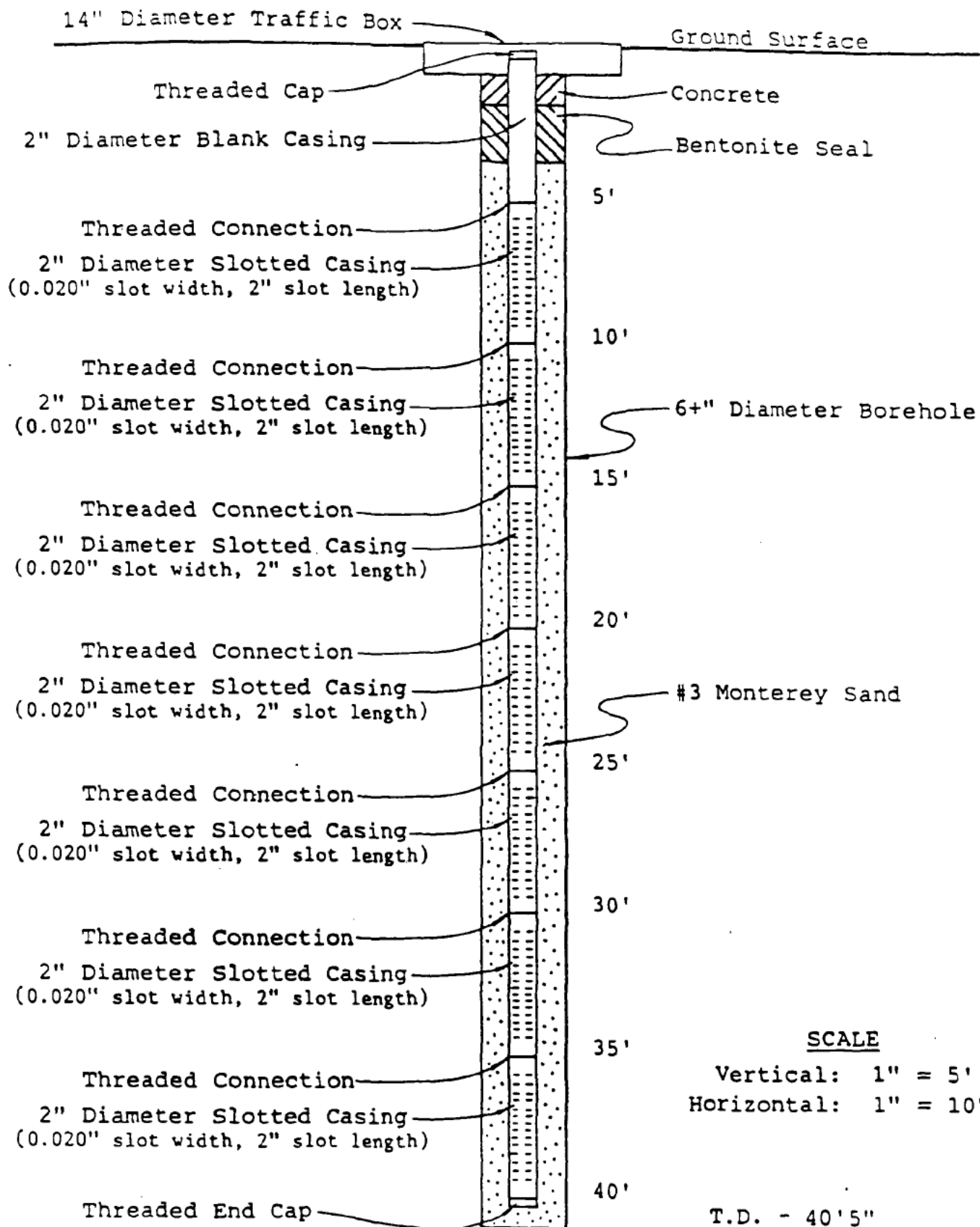
SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
 BUREAK, CALIFORNIA

MONITORING WELL: M.W. No. 10



SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
 BUREAK, CALIFORNIA

MONITORING WELL: M.W. No. 11



Bill to ESTI-Job #87148
IN. OF CUSTODY RECORD-SAMPLE ANALYSIS REQUEST

PROJ. NO.

PROJECT NAME

Location of Sampling: A. Jergens Co., 99 W. Verdugo, Burbank

Collector Tom Gutcher Date Sampled 3/7/88 Time p.m. hours

Affiliation of Sampler W. H. Park and Associates

Address 3040 19th St. Bakersfield, CA 93301
number street city state zip

Telephone (805) 327-9681 Company Contact Tom

Quantity

Container Type

COLLECTOR'S

SAMPLE NO.

TYPE OF

SAMPLE*

FIELD INFORMATION**

brass ring

MW#7

soil

7'

brass ring

MW#8

soil

7'

MATERIAL SAMPLED soil near diesel product transfer lines

DEPTH 7' METHOD OF SAMPLING split spoon
(THIEF, COREHOLE, ETC.)

Analysis Requested

Test Method EPA 8015 per client's proposal

Preservation methods: keep cold until analyzed

* Indicate whether sample is soil, sludge, etc.

** Use back of page for additional information relative to sample location

Sample Receiver:

1. B. C. Laboratories

name and address of organization receiving sample

contact: Mr. Blair Burgess, L.A. County
Waste Management Division
1450 Alcazar St., L.A. 90033

Chain of Possession:

1. Tom Gutcher Geologist 3/7/88-3/8/88
signature title inclusive dates

2. Joan M. Leiby 3-8-88
signature title inclusive dates

#1513-546

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 3

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Total
Petroleum
Hydrocarbons
ppm gasoline
ppm diesel

☐ ☒

Lithologic Description

0
5
10
15
20
25
30
35
40

Lithologic
Column

Sample Depths

Meter Reading
(ppm)

*

3

*

0

*

0

⊙

2

None
Detected

Sand, brown, silty, very fine to very coarse grained, loose, moist, no odor.

No odor.

Silt, dark brown, sandy, fine grained, poorly indurated, moist, no odor.

Sand, brown, silty, very fine to very coarse grained, gravel and cobbles abundant, poorly indurated, moist, no odor.

T.D. - 20'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 4

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | | | Lithologic Description |
|-----------------|----------------------|------------------|---------------------------|------------------------------------|---------------|---|---|
| | | | | ppm gasoline | ppm diesel | | |
| 0 | | | | | | X | |
| 5 | | * | 0 | | | | Sand, brown, silty, fine to coarse grained, poorly indurated, moist, no odor. |
| 10 | | * | 0 | | | | Sand, tan, fine to medium grained, loose, no odor. |
| 15 | | ⊙ | 0 | None Detected | | | Silt, brown, sandy, fine to coarse grained, poorly indurated, moist, no odor. |
| 20 | | * | trace | | | | Fine grained, no odor. |
| 25 | | | | | | | |
| 30 | | | | | | | |
| 35 | | | | | | | |
| 40 | | | | | | | |

T.D. - 20'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 5

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | ppm gasoline | | ppm diesel | Lithologic Description |
|-------------------|---------------|---------------------|------------------------------|--------------|--|------------|---|
| | | | | | | | |
| 0 | | | | | | X | |
| 5 | * | 0 | | | | | Silt, dark brown, sandy, fine to coarse grained, poorly indurated, moist, no odor. |
| 10 | * | 0 | | | | | Sand, brown, silty, fine to very coarse grained, gravel abundant, poorly indurated, moist, no odor. |
| 15 | * | 0 | | | | | Gravel absent, no odor. |
| 20 | ⊙ | 0 | None Detected | | | | No odor. |
| 25 | | | | | | | |
| 30 | | | | | | | |
| 35 | | | | | | | |
| 40 | | | | | | | |

T.D. - 20'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 6

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | | | Lithologic Description |
|-----------------|----------------------|------------------|---------------------------|------------------------------------|---------------|---|---|
| | | | | ppm gasoline | ppm diesel | | |
| 0 | | | | | | X | |
| 5 | | * | 0 | | | | Silt, dark brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor. |
| 10 | | * | 0 | | | | Sand, brown, silty, fine to coarse grained, poorly indurated, moist, no odor. |
| 15 | | ⊙ | 0 | None Detected | | | Fine to very coarse grained, no odor. |
| 20 | | * | 0 | | | | No odor. |
| 25 | | | | | | | |
| 30 | | | | | | | |
| 35 | | | | | | | |
| 40 | | | | | | | |

T.D. - 20'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 7

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

| Depth (feet) | Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | |
|-----------------|----------------------|------------------|---------------------------|------------------------------------|------------|
| | | | | ppm gasoline | ppm diesel |
| 0 | | | | | X |
| 5 | | * | | None Detected | |
| | | ⊙ | 0 | | |
| 10 | | * | | | |
| 15 | | * | | | |
| 20 | | * | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

Sand, orange, brown, and grey, silty, fine to coarse grained, gravel abundant, mottled coloration, poorly indurated, moist, no odor.

Sand, tan, fine to medium grained, loose, no odor.

T.D. - 7'

* - Sample Location

⊙ - Sample Analyzed

LOG OF TEST HOLE

| Lithologic Column | Sample Depths | Meter Reading (ppm) | Total Petroleum Hydrocarbons | | Lithologic Description |
|-------------------|---------------|---------------------|------------------------------|------------|---|
| | | | ppm gasoline | ppm diesel | |
| 0 | | | | X | |
| 5 | | | | | |
| 10 | ② | 0 | None Detected | | Sand, tan, fine to very coarse grained, loose, no odor. |
| 15 | | | | | |
| 20 | | | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

W. H. PARK AND ASSOCIATES

LOCATION: Andrew Jergens Co., Burbank

TEST HOLE IDENTIFICATION: M.W. No. 8

DATE DRILLED: 03/07/88 ELEVATION: 550±'

RIG TYPE: 6" Hollow Stem Flight Auger

Lithologic Description

Sand, tan, fine to very coarse grained, loose, no odor.

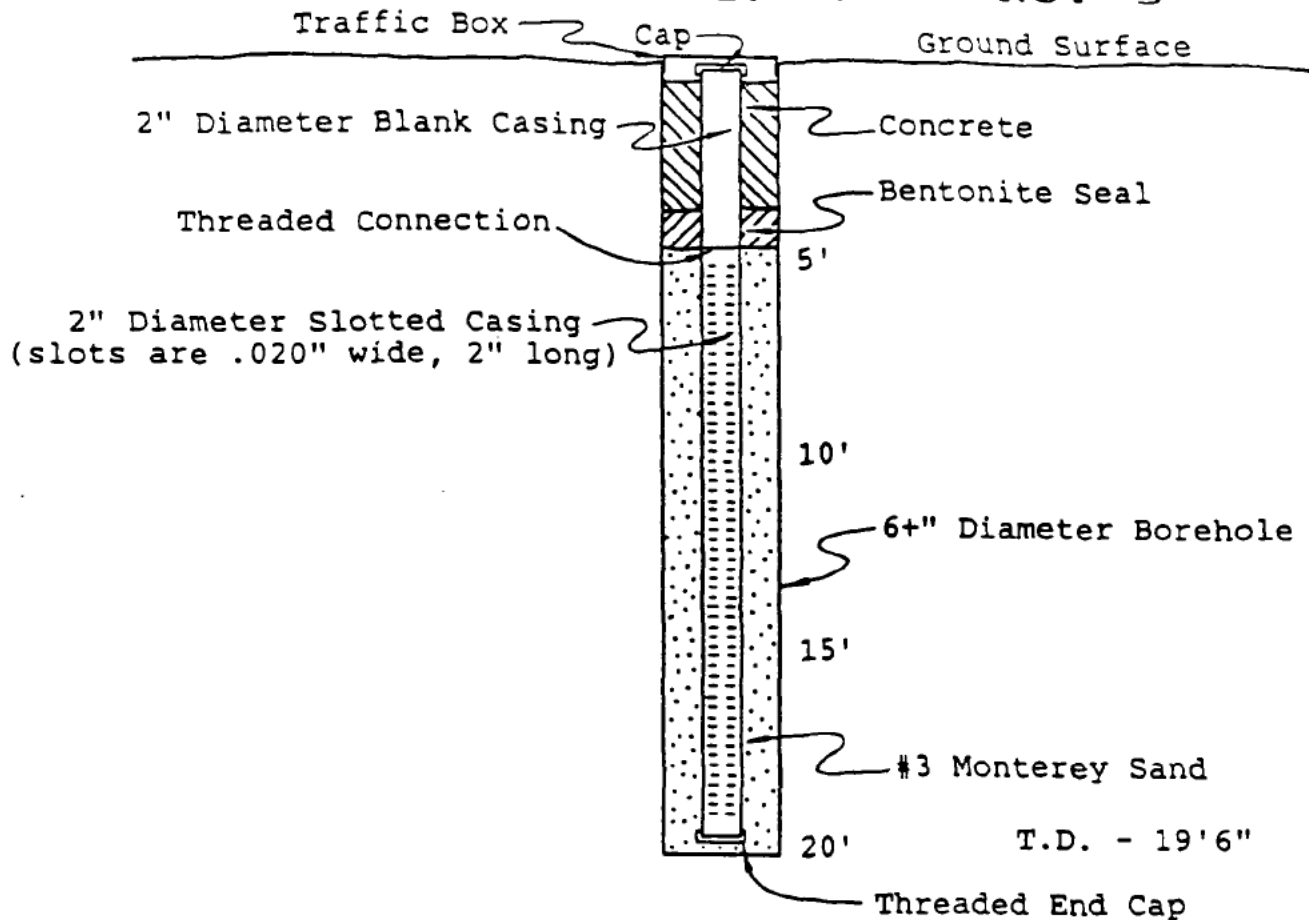
T.D. - 7'

* - Sample Location

② - Sample Depth

SCHEMATIC DIAGRAM OF MONITORING WELL
 ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 3

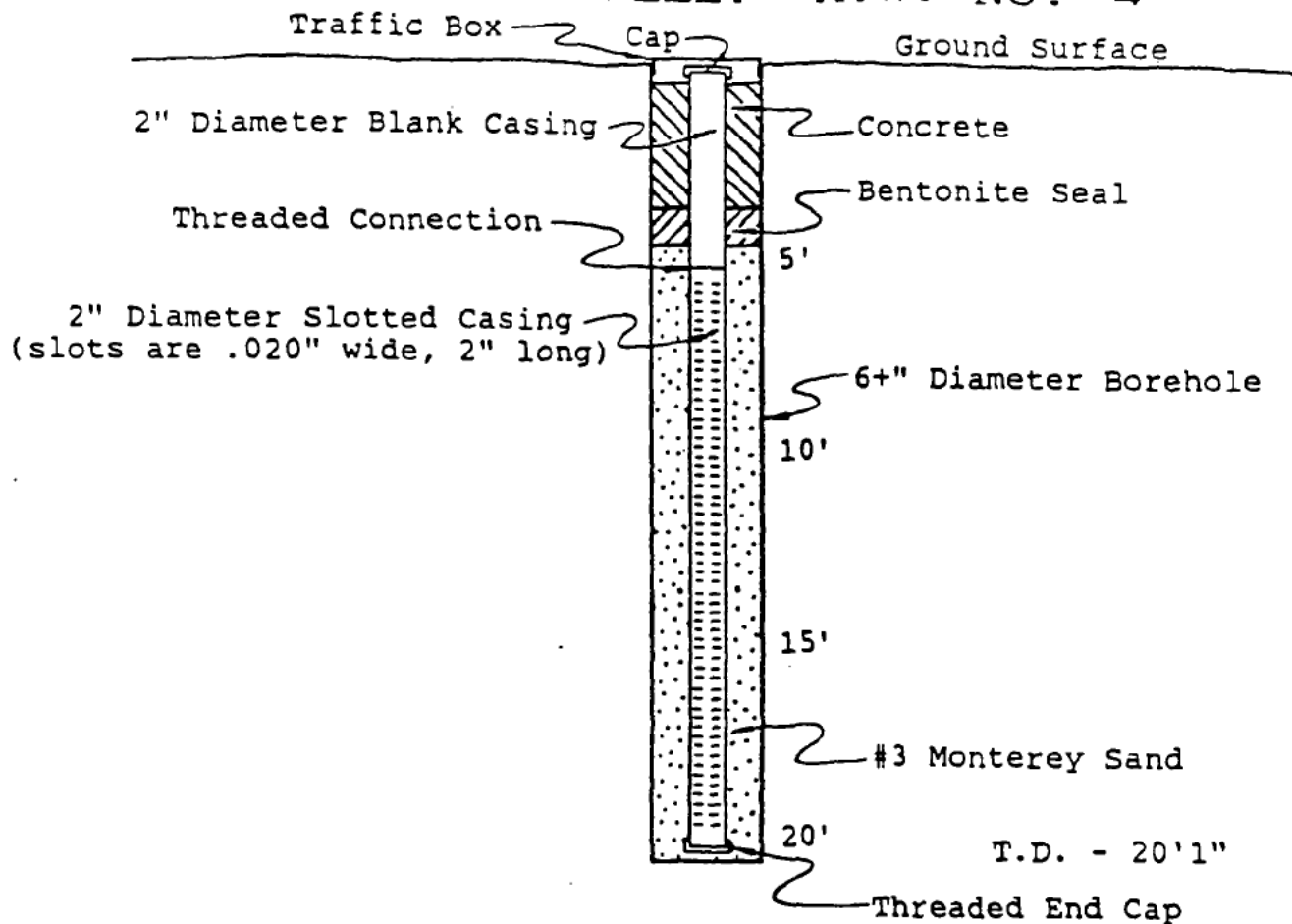


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL
 ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 4

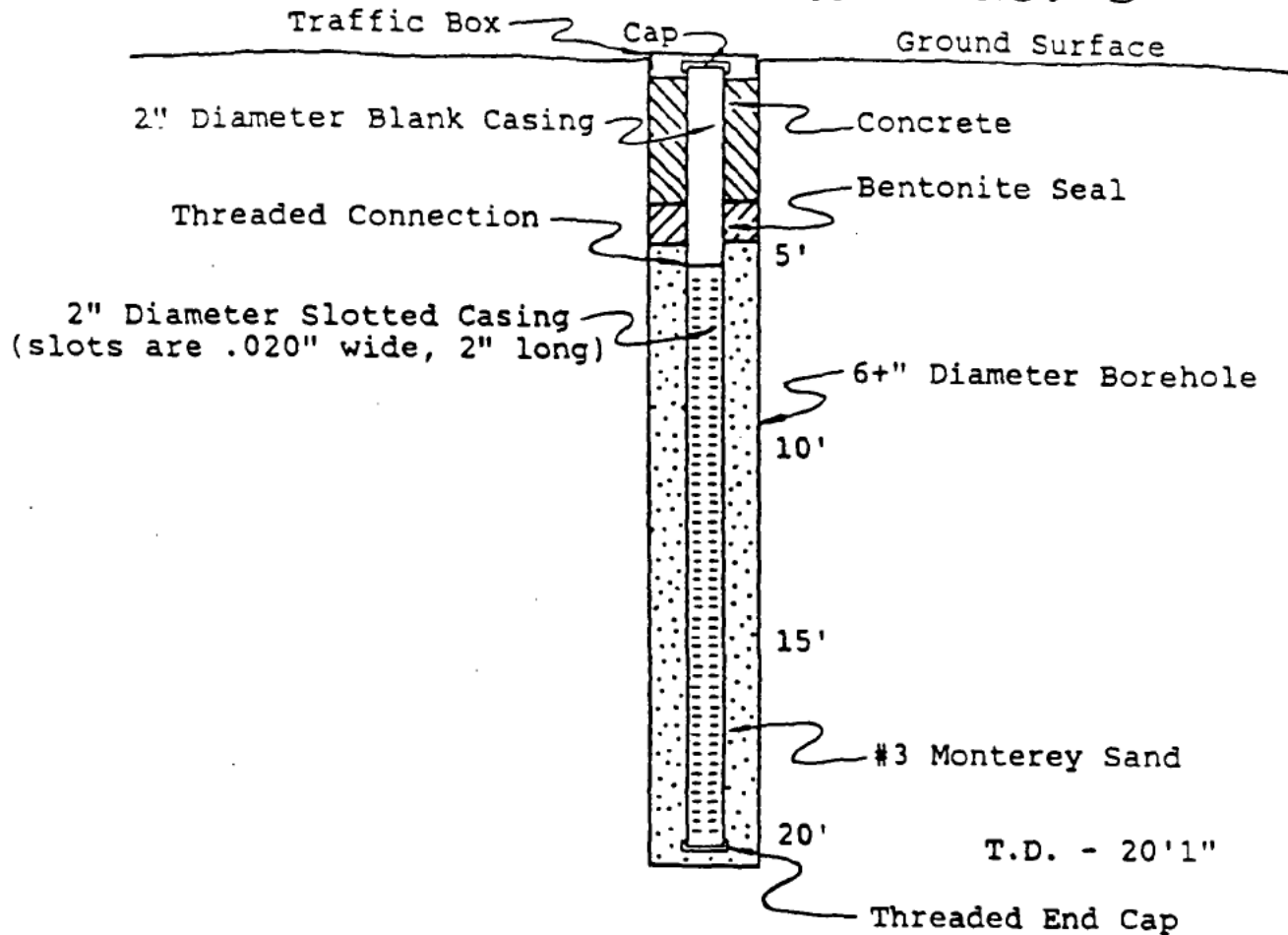


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 5

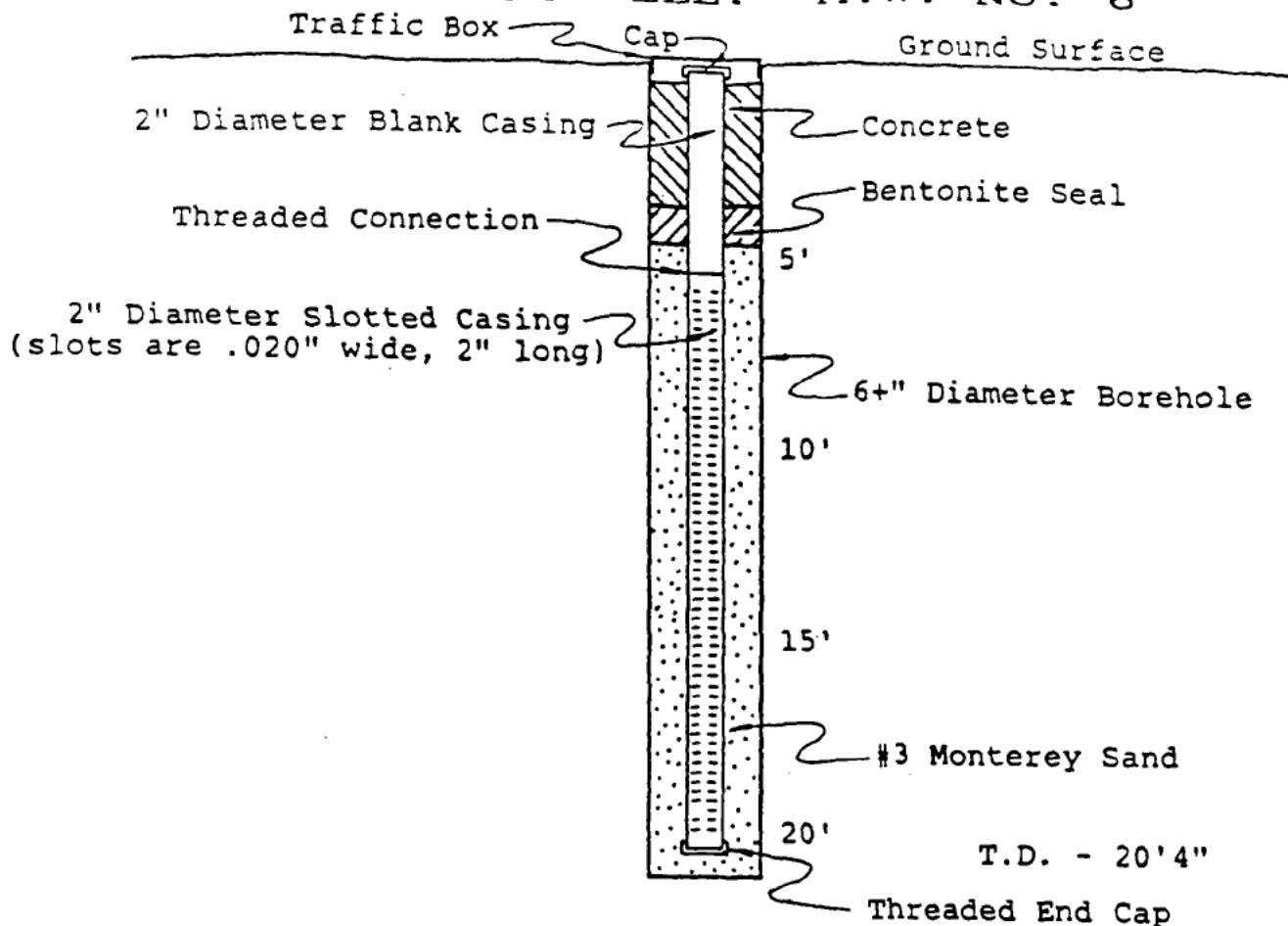


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL
 ANDREW JERGENS COMPANY
 BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 6

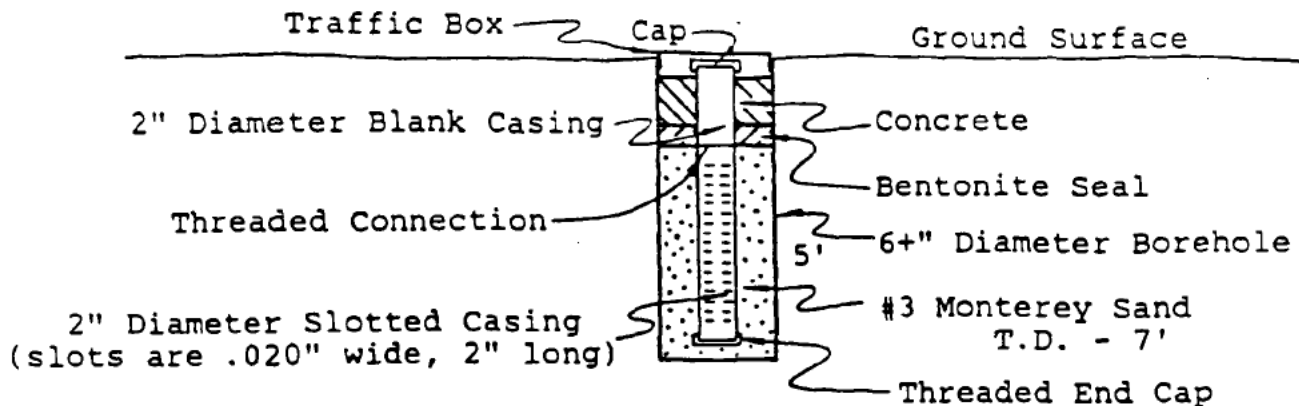


SCALE: Vertical 1" = 5' Horizontal 1" = 10"

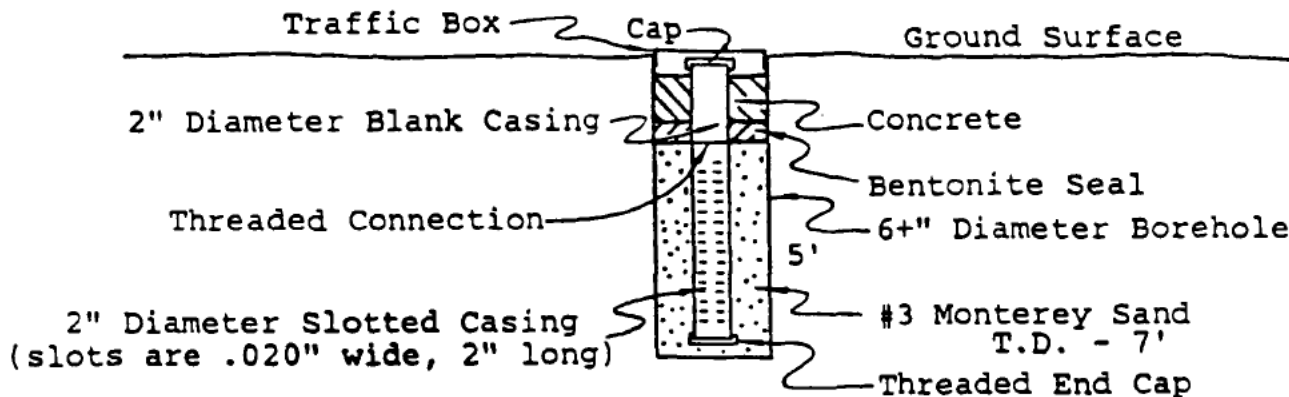
W. H. PARK AND ASSOCIATES - JULY 1988

SCHEMATIC DIAGRAM OF MONITORING WELL
ANDREW JERGENS COMPANY
BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 7



MONITORING WELL: M.W. No. 8



SCALE: Vertical 1" = 5' Horizontal 1" = 10"

W. H. PARK AND ASSOCIATES - JULY 1988

INTERIM REPORT OF
UNDERGROUND STORAGE TANK TESTING AND
LEAK DETECTION INVESTIGATION

PREPARED FOR:
THE ANDREW JERGENS COMPANY
99 W. VERDUGO AVENUE
BURBANK, CALIFORNIA 91502

MARCH, 1989

SUBMITTED BY:
ACTIVE LEAK TESTING, INC.
1300 S. Beacon St.
Suite 120
San Pedro, CA 90731
(213) 833-8700

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- 1 The ALT EarthProbe System
- 2 Boring Logs

EXECUTIVE SUMMARY

On Tuesday, January 10, 1989, Active Leak Testing, Inc. (ALT) made auxiliary measurements of the contaminants in the soil around a 6,500 gallon steel underground storage tank which contains Ethanol. The purpose of this survey was to bring the facility into compliance with City and County regulatory guidelines under CAC Title 22.

The soil around the tank and under nearby railroad tracks was found to be contaminated by Ethanol. The highest concentrations (above 7000 mg/kg) are found near-surface about the mid-tank region extending out into the railroad track area. The concentration level of these values is suspect due to a lack of detailed knowledge of well construction for the first 5 feet from the surface. The second highest concentrations are over 1000 mg/kg and are located between 12 and 18 feet below ground surface in the backfill along the west half of the tank. These values are expected to be quite accurate.

A total of about 60 cubic yards may be involved in the deeper contamination with concentrations greater than 100 mg/kg, of which perhaps about 10 cubic yards have concentrations greater than 1000 mg/kg.

The near surface spill zone may have about 6 cubic yards of contaminated soil with concentrations greater than 1000 mg/kg.

It is recommended that decontamination should be achieved by either in-situ vapor extraction or oxidation of Ethanol from excavated soil.

INTERIM REPORT OF
UNDERGROUND STORAGE TANK TESTING AND
LEAK DETECTION INVESTIGATION

1.0 INTRODUCTION

The subject of this report is the continuing investigation of a portion of the underground storage facilities of The Andrew Jergens Co. at 99 W. Verdugo Ave., Burbank, CA (Figure 1) consisting of one (1) 6,500 gallon steel tank.

1.1 Background

Earlier activities on the facility, aimed at compliance, consisted of borings, sampling, laboratory analysis of samples and a report of results by William H. Park and Associates, Geologist (Park) under subcontract to ESTI of Bakersfield, CA, (ESTI) a contractor who had proposed to complete the compliance program by installing monitors on the two underground storage tanks.

A total of four (4) underground storage tanks are located at two sites on opposite sides of the main building. Area No. 1, a single 6,500 gallon Ethanol tank, lies between the northeast side of the building and the railroad siding. Area No. 2, three 12,000 gallon diesel fuel tanks, are located between the southwest side of the building and Flower Street (Figure 2).

The three diesel fuel tanks were successfully integrity tested and soil sample analyses showed no contamination in the surrounding soils. A monitoring system has been installed and is operational. Completion of these activities was reported by ESTI in July, 1988.

Contamination was reported in the soils surrounding the 6,500 gallon Ethanol tank (July 1988) which is the subject of further measurements reported herein.

1.2 Description of Area 1

The 6,500 gallon steel tank containing denatured Ethanol has a total of five (5) wells arranged around three sides. The building is within five feet of the tank on the fourth side disallowing boring on that side. The relative location of the tank, the building, the railroad tracks and the wells are diagrammed on the site map, Figure 3.

2.0 TECHNIQUES

The Leak Detection Investigation follows the guidelines developed by ALT for investigations of underground storage tank facilities and consists of: in-situ measurements throughout the length of the monitoring wells at 2 foot depth intervals using portable instrumentation that provides vapor and soil liquid concentration.

The instruments used by ALT in its EarthProbe System for in-situ data acquisition, Appendix 1, are a Gas Chromatograph (GC) and a Hydroprobe. The detection limit capability of the instrumentation is 0.1 ppm with the GC and 1 mg/kg per 24 hours with the hydroprobe. However, the realistic limit for reporting a leak rate is 0.01 gallons per hour (gph).

The instruments provide vertical profiles of the total organic vapor concentration and total hydrocarbon liquid concentration in the wells. The results of GC analysis of the material in the soil and the GC analysis of the product in the tank when compared, will often indicate the leaking source.

2.1 Monitoring Well Construction

All of the monitoring wells were already in place. Mw 1 and 2 were drilled on March 7, 1988 and Mw 9, 10 and 11 were drilled on August 23, 1988. These wells were completed under the guidance of ESTI and Park. Well construction is described by Park as having slotted PVC liner with a backfill of sand and the well sealed by bentonite grout.

2.2 Sampling

Core samples were obtained by ESTI and Park using a split barrel modified Porter sampler driven by a 140-pound, down-hole hammer. Core samples were taken from selected boring locations, as shown on the boring log (Appendix 2), which may show signs of contamination during drilling.

ALT did not do any soil core sampling. The ESTI/Park samples for laboratory analyses by EPA 8015 were performed by B.C. Laboratories, State-certified, of Bakersfield, California. The protocol followed by those companies is similar to ALT's.

3.0 DISCUSSION

3.1 Geology and Hydrogeology

The site in the San Fernando Valley, is located at the end of the western slope of the Verdugo Mountains called the Burbank Piedmont Slope. The Los Angeles River is 1.5 miles to the south, the Van Nuys Plain is to the east and the Los Angeles Narrows are to the south of the site. The Verdugo Fault, 0.5 miles to the east of the site, forms a major impediment to groundwater flow.

Upper Pleistocene, Older alluvium in the area mainly consists of boulders, gravels and sands of mainly coalescing alluvial fans. Red-brown to gray, unsorted angular to subangular debris are the materials that comprise the Older alluvium. On top of Older alluvium lies Recent alluvium, unconsolidated uncemented sands, silts, silty sands and gravels which are coarser near the sources and finer near the center of the valley.

Older alluvium and Recent alluvium are important water-bearing formations. A thickness of more than 3000 feet is reached in the canyons. The porosity and permeability of the sediments around the site make for high rates of flow and high storativity. The groundwater is unconfined and flows towards the south. The recharge from surface percolation is minimal and takes place mostly from recharge areas and near dams. Most of the creeks and washes are lined with concrete. The Western Wash is about 500 feet to the west and Headworks Spreading Grounds are about one mile to the south of the site.

The site is at approximately 560 foot elevation above Mean Sea Level (MSL) and the water table was described as near 470 to 475 feet MSL, making expected depth to water approximately 85 to 90 feet (see Figure 4).

3.2 Soil Description

Detailed soil description from ESTI and Park is provided on the individual boring logs (Appendix 2). Soil samples from the first ten feet, taken at five foot intervals from all the wells, show the subsurface soil to be mainly dark brown, medium and fine grained silts, mostly moist with no odor except in Well MW 11 which has odor at the 5 foot depth.

The soil profiles in all the wells exhibit a sequence of sands and silts with some gravels and cobbles. Moisture also seems to be stratified with dry layers of sands and silts in between the moist layers. Moisture was noted in Wells MW 1, 9 and 11.

3.3 EarthProbe Data and Analysis

EarthProbe data consists of hydroprobe readings and Organic Vapor Analysis (OVA) readings at two foot intervals and Gas Chromatographic (GC) analysis recordings at points of high concentrations (Appendix 1).

OVA values were recorded on January 10, 1989, and are tabulated for each well (Table 1). The values are very low and range from 1.1 to 2.7 ppm in Wells MW 2 and 10. The values in Well MW 1 range from 25 to 149 ppm of organic vapor concentrations. OVA values in Wells Mw 9 and 10 are very high in the first 20 feet (34,000 to 2000 ppm) and between 1000 and 490 ppm from 25 to 40 feet below grade. The highest value, 34,000 ppm, was recorded from the 5 foot depth of Well MW 9. GC analysis were then run in wells MW 1, MW 9, and MW 11. These analyses are displayed in Figures 5a, 5b, and 5c. The trace is that of alcohol with no other hydrocarbon components indicated.

The hydroprobe readings at two foot vertical intervals are recorded as total count. Total count includes a background value for soil density, water content and total hydrocarbon concentration. The variability of the data indicates the conditions in each well of hydrogenous-based liquid causing the hydroprobe count to increase from the general background.

ALT processes the raw hydroprobe count data through a series of algorithms that fit values to the sediment type and density and to the water content. These values are then removed from the raw data. The remnant value, representing the contaminant, is transformed into concentrations in mg/kg of contaminant in the soil (Table 2).

The distribution pattern of liquid hydrocarbon concentrations in the wells suggest two sources: (1) the leaking tank/piping; and (2) surface spillage. The high liquid concentration values in Well MW 1 from 10 to 18 feet below grade is a tank/piping leak.

A diagrammatic presentation (Figure 6) of the distribution on planar surfaces provides a visualization of the three-dimensional distribution. The liquid concentrations have been calibrated to the laboratory concentrations at the point of the highest concentration.

The liquid concentrations values from Wells MW 2 and MW 9 (Table 2) show gradual decrease in concentration away from MW 1. The Ethanol plume seems to be spreading from MW 1 to MW 9 ten feet below surface. The contaminant has migrated along the wall of the tank to the east end where it is seen in Well MW 2.

The surface spillage is mostly confined between 2 and 4 feet below surface. Wells MW 9, 10 and 11 show very high liquid concentration values ranging between 832 mg/kg and 7632 mg/kg. The concentration values below 6 feet in these wells, range between 0 and 262 mg/kg. The accuracy of the very high surface values is suspect because the hydroprobe can be affected by bentonite and concrete in the monitoring well annulus. Construction techniques may have allowed these materials to have inadvertently found their way to 2 or 4 foot depths, thus causing higher than actual indication of contaminant.

4.0 CONCLUSIONS

It is concluded that:

The volume of contaminant is estimated to be about 55 to 60 cubic yards in the region between 10 and 20 feet below surface. The band of contaminant is found mainly in the backfill but shows evidence of migration into the country soil. Volume of the surface material located 2 to 4 feet below surface is up to 5.5 to 6 cubic yards with concentrations that may be as high as 10,000 mg/kg localized.

1. Ethanol has contaminated the soil around the tank at two depths, each associated with a different source.
2. Contamination around the tank area between 10 and 25 feet below grade is associated with leakage from the tank or tank/piping system.
3. The near surface Ethanol contamination between 2 and 4 feet below surface which has migrated to the railroad tanks is probably surface spillage in the vicinity of the tank location.

5.0 RECOMMENDATIONS

It is recommended that:

1. Both contaminated areas should be remediated.
2. If the release has not been reported, a report should be filed.
3. A remediation plan be made for submission to the County of Los Angeles.
4. The remedial method could be either in-situ using vapor extraction; or by excavation using oxiremediation of the alcohols from the piles of excavated soil on site.

6.0 REFERENCES

The references used in the preparation of this report include, but are not limited to, the following:

1. Water Quality Control Plan Report, Los Angeles River Basin (4B) Part II, Vol. I; State Water Resources Control Board, Los Angeles Region (4), 1975, 438 pages.
2. Watermaster Service in the Upper Los Angeles River Area, Los Angeles County, May, 1988, pp 66, pl. 11.
3. Report by ESTI (7/88)
4. Report by William H. Park & Associates. (9/88)

7.0 LIMITATIONS

The conclusions and recommendations in this report are based on:

1. The test borings performed at this site.
2. The observations of field personnel and analysis of the GC and hydroprobe data.
3. Referenced documents.
4. Underground storage tank regulations of the County of Los Angeles.

It is possible that variations in the soil or groundwater conditions could exist beyond the points explored in this investigation. Also, changes in the groundwater conditions could occur at some time in the future due to variations in rainfall, regional water usage, or other factors not apparent at the time the field investigation was performed.

These services performed by ACTIVE LEAK TESTING, INC. have been conducted in a manner consistent with the level and care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the Los Angeles County area. No other warrant, expressed or implied, is made.



**FORM TAC: TOXIC AIR CONTAMINANTS/OZONE DEPLETERS
CALENDAR YEAR 1990**

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

COMPANY NAME: ANDREW JERGENS COMPANY

I.D. No.: 020652

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. For each toxic air contaminant and ozone depleter listed, record the number of pounds emitted to the atmosphere from your facility (site) during calendar year 1990 in Column (1).
2. Calculate the fee due for each contaminant by multiplying Columns (1) and (2). Record the fee due for each contaminant in Column (3).
3. Add the fees from each contaminant and record the total fee due from toxic air contaminants and ozone depleters on the line marked "TOTAL FEE DUE".
4. Transfer the total fee due to Form S, Line 3.

| TOXIC COMPOUNDS | LBS/YEAR (1) | FEE (\$/LB) (2) | FEE DUE (\$) (1) x (2) |
|--|-----------------|--------------------|---------------------------|
| ASBESTOS | 0 | \$1.20 | \$ |
| BENZENE | 0 | \$0.72 | \$ |
| CADMIUM | 0 | \$1.20 | \$ |
| CARBON TETRACHLORIDE | 0 | \$0.72 | \$ |
| HEXAVALENT CHROMIUM | 0 | \$1.20 | \$ |
| CHLORINATED DIOXINS AND DIBENZOFURANS (15 SPECIES) | 0 | \$1.20 | \$ |
| ETHYLENE DIBROMIDE | 0 | \$0.72 | \$ |
| ETHYLENE DICHLORIDE | 0 | \$0.72 | \$ |
| ETHYLENE OXIDE | 0 | \$0.72 | \$ |
| METHYLENE CHLORIDE | 0 | \$0.19 | \$ |
| OZONE DEPLETERS | | | |
| CHLOROFLUOROCARBONS (CFC'S/FREONS) | 0 | \$0.16 | \$ |
| 1,1,1-TRICHLOROETHANE | 0 | \$0.03 | \$ |
| TOTAL FEE DUE TRANSFER TOTAL TO FORM S, LINE 3. | | | \$ 0 |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.

SCAQMD FORM TAC-1/2/91

DOCUMENT RESPONSIVE TO REQUEST NO. 7

019019



FORM C-1: FEE CALCULATION WORKSHEET PERMITTED EQUIPMENT - CALENDAR YEAR 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

COMPANY NAME: ANDREW J. BERGENS COMPANY

I.D. No.: 920552

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. Record emissions from Form C, Line G on Line A of the table below.
2. If any number on Line A is GREATER THAN 100 TONS, use the equations below to calculate the fee due FOR THAT POLLUTANT ONLY.
3. Locate the number of tons in Table C-1(a) (on the following page) which corresponds to the number of tons in column (T1) on Line A.
4. Locate the correct fee for this pollutant in column (T1) on Table C-1(a).
5. Place this fee on Line B, in column (T1).
6. Repeat steps 3 - 5 for columns (T2), (T3), (T4), (T5), and (T6).
7. Calculate the total fee due by adding the fees from each column on Line B (T1 + T2 + T3 + T4 + T5 + T6). Record the total fee due on Line C.
8. Transfer the total on Line C to Form S, Line 1.

FOR EMISSIONS GREATER THAN 100 TONS ON LINE A BELOW:

ORGANIC GASES FEE = ((NUMBER OF TONS ON LINE A - 75 TONS) x \$596.00) + \$25,290.00
SPECIFIC ORGANICS FEE = ((NUMBER OF TONS ON LINE A - 75 TONS) x \$105.00) + \$4,468.00
NITROGEN OXIDES FEE = ((NUMBER OF TONS ON LINE A - 75 TONS) x \$343.00) + \$14,502.00
SULFUR OXIDES FEE = ((NUMBER OF TONS ON LINE A - 75 TONS) x \$413.00) + \$17,512.00
CARBON MONOXIDE FEE = ((NUMBER OF TONS ON LINE A - 100 TONS) x \$3.10)
PART. MATTER FEE = ((NUMBER OF TONS ON LINE A - 75 TONS) x \$456.00) + \$19,336.00

| | (T1) | | (T2) | (T3) | (T4) | (T5) | (T6) |
|--|---------------|---------|-------------------|-----------------|-----------------|-----------------|--------------|
| LINE | ORGANIC GASES | METHANE | SPECIFIC ORGANICS | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART. MATTER |
| A. EMISSIONS FROM FORM C, LINE G. | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 |
| B. FEE DUE PER POLLUTANT FROM TABLE C-1(a). | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C. TOTAL FEE FOR ALL POLLUTANTS. ADD ALL FEES ON LINE B. (T1 + T2 + T3 + T4 + T5 + T6) FEES DUE UNDER LEWIS - PRESLEY AIR QUALITY MANAGEMENT ACT. | | | | | SCAQMD USE ONLY | | |
| TRANSFER TOTAL FEE DUE TO FORM S, LINE 1. | | | | | \$ 0 | | |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.



**FORM C: SUMMARY OF EMISSIONS
PERMITTED EQUIPMENT - CALENDAR YEAR 1990
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

| | | | | FOR SCAQMD USE ONLY | | | |
|---|------------------|---------|----------------------|---------------------|------------------|--------------------|-----------------|
| | | | | REVIEWED BY: | ENTERED BY: | | |
| DEADLINE FOR SUBMITTAL: MARCH 4, 1991 | ORGANIC GASES | METHANE | SPECIFIC ORGANICS | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART. MATTER |
| A. FORM B-1 GENERAL FUEL BURNING | 323 | 00 | | 5,994 | 38 | 1,614 | 346 |
| B. FORM B-2 I.C. ENGINE FUEL BURNING | 0 | 0 | | 0 | 0 | 0 | 0 |
| C. FORM B-3 USE OF ORGANICS | 0 | | 0 | | | | |
| D. FORM B-4 PROCESS EMISSIONS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E. SPECIAL WORKSHEETS (E,R, B-100 SERIES) | -- | -- | -- | -- | -- | -- | -- |
| E1. SPECIAL WORKSHEETS (E,R, B-100 SERIES) | -- | -- | -- | -- | -- | -- | -- |
| F. TOTAL EMISSIONS (LBS/YR) ADD LINES A - E1. TRANSFER TOTALS TO FORM C-U, LINE F | 323 | 0 | 0 | 5,994 | 38 | 1,614 | 346 |
| G. TOTAL EMISSIONS (TONS/YR) DIVIDE LINE F BY 2000 ** IF RESULT IS 4.0 OR GREATER ROUND OFF TO NEAREST TON. TRANSFER TOTALS TO FORM C-1, LINE A. | 0 | 0 | 0 | 3 | 0 | 0.8 | 0 |

**** NOTE THAT YOU SHOULD ONLY ROUND TO THE NEAREST TON IF LINE G IS 4.0 TONS OR GREATER, IF LINE G IS 3.99 TONS OR LESS, DO NOT ROUND TO THE NEAREST TON.**

THE ABOVE EMISSIONS ARE BASED ON THE FOLLOWING HOURS OF BUSINESS:

| | | |
|-----------|-----------|------------|
| 16 | 5 | 52 |
| HOURS/DAY | DAYS/WEEK | WEEKS/YEAR |

| | | |
|---|---------------------------------|---------------------------|
| I DECLARE UNDER PENALTY OF PERJURY THAT THE DATA SUBMITTED TRULY REPRESENTS THROUGHPUT, EMISSIONS, AND CONSUMPTION FOR THE CALENDAR YEAR 1990, AND THAT DISTRICT EMISSION FACTORS REPRESENT THE BEST AVAILABLE DATA FOR MY COMPANY IN THE CALCULATION OF ANNUAL EMISSION FIGURES. | | |
| NAME: Allen W. Maig | SIGNATURE: <i>Allen W. Maig</i> | |
| TITLE: Envir. & Safety Engineer | DATE: 1-30-91 | PHONE No.: (818) 846-9822 |
| PREPARER, IF OTHER THAN ABOVE: | | |
| NAME: | | |
| TITLE: PHONE No.: () | | |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.



FORM C-U: SUMMARY OF EMISSIONS
PERMITTED AND NON-PERMITTED EQUIPMENT - CALENDAR YEAR 1990
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

| | | | |
|--|--|---------------------|-------------|
| COMPANY NAME: ANDREW JERGENS COMPANY | | FOR SCAQMD USE ONLY | |
| | | REVIEWED BY: | ENTERED BY: |
| | | I.D. No.: 020652 | |
| (COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C) | | | |

THE PURPOSE OF THIS SUMMARY FORM IS TO OBTAIN TOTAL EMISSIONS FROM A FACILITY. NOTE THAT TOTAL EMISSIONS FROM PERMITTED EQUIPMENT (FORM C, LINE F) ARE TO BE ENTERED ON LINE F OF THIS SUMMARY FORM.

| DEADLINE FOR SUBMITTAL: MARCH 4, 1991 | ORGANIC GASES | METHANE | SPECIFIC ORGANICS | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART. MATTER |
|--|---------------|---------|-------------------|-----------------|---------------|-----------------|--------------|
| A. FORM B-1-U GENERAL FUEL BURNING | | | | | | | |
| B. FORM B-2-U I.C. ENGINE FUEL BURNING | | | | | | | |
| C. FORM B-3-U USE OF ORGANICS | | | | | | | |
| D. FORM B-4-U PROCESS EMISSIONS | | | | | | | |
| E. SPECIAL WORKSHEETS (E,R, B-100-U SERIES) | | | | | | | |
| E1. SPECIAL WORKSHEETS (E,R, B-100-U SERIES) | | | | | | | |
| F. EMISSIONS - PERMITTED EQUIPMENT FROM FORM C, LINE F. | | | | | | | |
| G. TOTAL EMISSIONS (LBS/YR) ADD LINES A - F. | | | | | | | |
| H. TOTAL EMISSIONS (TONS/YR) DIVIDE LINE G BY 2000 ROUND OFF TO NEAREST TON. | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

THE ABOVE EMISSIONS ARE BASED ON THE FOLLOWING HOURS OF BUSINESS:

| | | |
|-----------|-----------|------------|
| 16 | 5 | 52 |
| HOURS/DAY | DAYS/WEEK | WEEKS/YEAR |

| | | |
|---|---------------|---------------------------|
| I DECLARE UNDER PENALTY OF PERJURY THAT THE DATA SUBMITTED TRULY REPRESENTS THROUGHPUT, EMISSIONS, AND CONSUMPTION FOR THE CALENDAR YEAR 1990, AND THAT DISTRICT EMISSION FACTORS REPRESENT THE BEST AVAILABLE DATA FOR MY COMPANY IN THE CALCULATION OF ANNUAL EMISSION FIGURES. | | |
| NAME: Allen W. Haig | SIGNATURE: | |
| TITLE: Envir. & Safety Engineer | DATE: 1-30-91 | PHONE No.: (616) 846-9822 |
| PREPARER, IF OTHER THAN ABOVE: | | |
| NAME: | | |
| TITLE: PHONE No.: () | | |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.

SCAQMD FORM C-U-1/2/91

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.



**FORM B-1: EMISSIONS FROM BURNING OF FUELS IN
BOILERS, OVENS, FURNACES, HEATERS, ETC.
PERMITTED EQUIPMENT-CALENDAR YEAR 1990
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

COMPANY NAME: Andrew Jeroens Company

I.D. No.: 020652

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. Enter the annual usage, in millions of cubic feet (mmcf) or thousands of gallons, for each type of fuel used during 1990.
2. Calculate the emissions for each pollutant by multiplying the annual usage by the appropriate emission factor [shown in brackets] as you go across the line. Enter the result in each column.
3. Total the emissions for each pollutant and place the result on the line marked "TOTAL EMISSIONS (LBS/YR)".
4. Transfer the totals to Form C, Line A.

(An example for a typical company may be found in Appendix B of the general instruction booklet.)

| FUELS | ANNUAL USAGE | ORGANIC GASES | METHANE | SPEC. ORG. | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART. MATTER |
|---|-------------------|------------------|---------|---------------|--------------------|------------------|--------------------|-----------------|
| NATURAL GAS | 46 mmcf | [7] 323 | | | [130] 5,994 | [0.83] 38 | [35] 1,614 | [7.5] 346 |
| LPG PROPANE BUTANE | 0 Gallons/1000 | [0.26] | [0.28] | | [12.8] | [4.6] | [3.2] | [0.28] |
| FUEL OIL (0.1% S) | 0 Gallons/1000 | [0.20] | [0.1] | | [20] | [14] | [5] | [2] |
| FUEL OIL (0.50% S) | 0 Gallons/1000 | [0.28] | [1] | | [55] | [79.5] | [5] | [8] |
| TOTAL EMISSIONS (LBS/YR) ADD EACH COLUMN. TRANSFER TOTALS TO FORM C, LINE A. | | 323 | | | 5,994 | 38 | 1,614 | 346 |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.

SCAQMD FORM B-1-1/2/91



**FORM B-2: EMISSIONS FROM BURNING OF FUELS IN
INTERNAL COMBUSTION ENGINES
PERMITTED EQUIPMENT-CALENDAR YEAR 1990
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

COMPANY NAME: ANDREW JERGENS COMPANY

I.D. No.: 020652

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. Enter the annual usage, in millions of cubic feet (mmcf) or thousands of gallons, for each type of fuel used during 1990.
2. Calculate the emissions for each pollutant by multiplying the annual usage by the appropriate emission factor [shown in brackets] as you go across the line. Enter the result in each column.
3. Total the emissions for each pollutant and place the result on the line marked "TOTAL EMISSIONS (LBS/YR)".
4. Transfer the totals to Form C, Line B.

(An example for a typical company may be found in Appendix B of the general instruction booklet.)

| FUELS | ANNUAL USAGE | ORGANIC GASES | METHANE | SPEC. ORG. | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART. MATTER |
|---|--|------------------|---------|---------------|--------------------|------------------|--------------------|-----------------|
| NATURAL GAS (I.C.ENG.) | (All vehicles used in the plant are battery operated.) mmcf | [280] | [1120] | | [3400] | [0.6] | [430] | |
| LPG PROPANE BUTANE (I.C. ENG.) | Gallons/1000 | [83] | | | [139] | [0.35] | [129] | [5] |
| GASOLINE (I.C. ENG.) | Gallons/1000 | [206] | | | [102] | [5.3] | [3940] | [6.5] |
| DIESEL OIL (I.C. ENG.) | Gallons/1000 | [37.5] | | | [469] | [31.2] | [102] | [33.5] |
| NATURAL GAS (TURBINES) | mmcf | [42] | | | [413] | [0.6] | [115] | [14] |
| DIESEL OIL (TURBINES) | Gallons/1000 | [5.57] | | | [67.8] | [31.2] | [15.4] | [5] |
| TOTAL EMISSIONS (LBS/YR) ADD EACH COLUMN. TRANSFER TOTALS TO FORM C, LINE B. | | 0 | 0 | | 0 | 0 | 0 | 0 |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.

**FORM B-3: EMISSIONS FROM THE USE OF ORGANICS
PERMITTED EQUIPMENT - CALENDAR YEAR 1990**

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

COMPANY NAME: ANDREW J. JORGENSEN COMPANY

I.D. No.: 020652

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. In column (1), list materials used including any SPECIFIC ORGANICS (HCFC's).
2. In column (2), enter the annual usage of each material in number of gallons per year, for fiberglass operations, enter number of pounds per year.
3. In column (3), enter emission factors obtained from the supplier or the Material Safety Data Sheet (MSDS).
4. Multiply the annual usage in column (2) by the emission factor in column (3). Enter the results in column (4) under REACTIVE or SPECIFIC.
5. Total the annual emissions in column (4) and enter the totals in the proper box.
6. Transfer the totals to Form C, Line C.

NOTE THAT 1,1,1-TRICHLOROETHANE EMISSIONS SHOULD NOT BE REPORTED HERE. REPORT ALL 1,1,1-TRICHLOROETHANE EMISSIONS ON FORM TAC.

(An example for a typical company may be found in Appendix B of the general instructions booklet.)

| Column (1) | Column (2) | Column (3) | | Column (4) = (2) x (3) | |
|---|-----------------------------|------------------------------|----------|-----------------------------------|----------|
| Material | Annual Usage (gals/year) | Emission Factor (lbs/gal) | | Annual Emission (lbs/year) | |
| | | REACTIVE | SPECIFIC | REACTIVE | SPECIFIC |
| (All organics used in liquid form in packaged cosmetic and soap items.) | | | | | |
| | | | | | |
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| | | | | | |
| Total Reactive Organic Emissions. | | | | Transfer Total To Form C, Line C. | |
| Total Specific Organic Emissions. | | | | Transfer Total To Form C, Line C. | |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.



**FORM B-4: EMISSIONS FROM PROCESSES
PERMITTED EQUIPMENT - CALENDAR YEAR 1990**
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

COMPANY NAME: ANDREW JERGENS COMPANY

I.D. No.: 020652

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. Enter the permit number or process description.
2. Enter annual production for calendar year 1990, in tons per year of product, for manufacturing facilities, or enter annual throughput, in thousands of gallons per year.
3. Enter total operating time of process, in hours, for calendar year 1990.
(HRS/DAY x DAYS/WEEK x WEEKS/YEAR)
4. Enter the appropriate emission factors in the brackets.
5. Calculate the emissions for each pollutant by multiplying the annual production by the emission factor. Record the emissions in the appropriate column.
6. Total the emissions for each pollutant. Place the result on the line marked "TOTAL EMISSIONS (LBS/YR)".
7. Transfer the totals to Form C, Line D.

NOTE THAT COMBUSTION EMISSIONS SHOULD NOT BE RECORDED ON THIS FORM. EMISSIONS DUE TO THE BURNING OF FUELS SHOULD ONLY BE REPORTED ON FORMS B-1, AND B-2.

| PERMIT NO. OR PROCESS DESCRIPTION | ANNUAL PRODUCTION THROUGHPUT | OPERATING HOURS/YR | ORGANIC GASES | METHANE | SPECIFIC ORGANICS | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART. MATTER |
|---|------------------------------------|-----------------------|------------------|---------|----------------------|--------------------|------------------|--------------------|-----------------|
| (Water cooling towers for soap making and drying, glycerine evaporation.) | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| TOTAL EMISSIONS (LBS/YR) | | | | | | | | | |
| TRANSFER TOTAL TO FORM C, LINE D. | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.

SCAQMD FORM B-4-1/2/91



**FORM B-1-U: EMISSIONS FROM BURNING OF FUELS IN
BOILERS, OVENS, FURNACES, HEATERS, ETC.
NON-PERMITTED EQUIPMENT-CALENDAR YEAR 1990
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

COMPANY NAME: ANDREW JERGENS COMPANY

I.D. No.: 020652

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. Enter the annual usage, in millions of cubic feet (mmcf) or thousands of gallons, for each type of fuel used during 1990.
2. Calculate the emissions for each pollutant by multiplying the annual usage by the appropriate emission factor [shown in brackets] as you go across the line. Enter the result in each column.
3. Total the emissions for each pollutant and place the result on the line marked "TOTAL EMISSIONS (LBS/YR)".
4. Transfer the totals to Form C-U, Line A.

(An example for a typical company may be found in Appendix B of the general instruction booklet.)

| FUELS | ANNUAL USAGE | ORGANIC GASES | METHANE | SPEC. ORG. | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART. MATTER |
|---|-------------------|------------------|---------|---------------|--------------------|------------------|--------------------|-----------------|
| NATURAL GAS | 0 mmcf | [7] | | | [130] | [0.83] | [35] | [7.5] |
| LPG PROPANE BUTANE | 0 Gallons/1000 | [0.26] | [0.28] | | [12.8] | [4.6] | [3.2] | [0.28] |
| FUEL OIL (0.1% S) | 0 Gallons/1000 | [0.20] | [0.1] | | [20] | [14] | [5] | [2] |
| FUEL OIL (0.50% S) | 0 Gallons/1000 | [0.28] | [1] | | [55] | [79.5] | [5] | [8] |
| TOTAL EMISSIONS (LBS/YR) ADD EACH COLUMN. TRANSFER TOTALS TO FORM C-U, LINE A. | | | | | | | | |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.

SCAQMD FORM B-1-U-1/2/91



**FORM B-2-U: EMISSIONS FROM BURNING OF FUELS IN
INTERNAL COMBUSTION ENGINES
NON-PERMITTED EQUIPMENT-CALENDAR YEAR 1990
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

COMPANY NAME: ANDREW JERGENS COMPANY

I.D. No.: 720652

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. Enter the annual usage, in millions of cubic feet (mmcf) or thousands of gallons, for each type of fuel used during 1990.
2. Calculate the emissions for each pollutant by multiplying the annual usage by the appropriate emission factor [shown in brackets] as you go across the line. Enter the result in each column.
3. Total the emissions for each pollutant and place the result on the line marked *TOTAL EMISSIONS (LBS/YR)*.
4. Transfer the totals to Form C-U, Line B.

(An example for a typical company may be found in Appendix B of the general instruction booklet.)

| FUELS | ANNUAL USAGE | ORGANIC GASES | METHANE | SPEC. ORG. | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART MATTER |
|---|--|------------------|---------|---------------|--------------------|------------------|--------------------|----------------|
| NATURAL GAS (I.C.ENG.) | (All vehicles used in the plant are battery operated.) mmcf | [280] | [1120] | | [3400] | [0.6] | [430] | |
| LPG PROPANE BUTANE (I.C. ENG.) | Gallons/1000 | [83] | | | [139] | [0.35] | [129] | [5] |
| GASOLINE (I.C. ENG.) | Gallons/1000 | [206] | | | [102] | [5.3] | [3940] | [6.5] |
| DIESEL OIL (I.C. ENG.) | Gallons/1000 | [37.5] | | | [469] | [31.2] | [102] | [33.5] |
| NATURAL GAS (TURBINES) | mmcf | [42] | | | [413] | [0.6] | [115] | [14] |
| DIESEL OIL (TURBINES) | Gallons/1000 | [5.57] | | | [67.8] | [31.2] | [15.4] | [5] |
| TOTAL EMISSIONS (LBS/YR) ADD EACH COLUMN. TRANSFER TOTALS TO FORM C-U, LINE B. | | 0 | 0 | | 0 | 0 | 0 | 0 |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.

SCAQMD FORM B-2-U-1/2/91



COMPANY NAME: ANDREW JERGENS COMPANY

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

1. In column (1), list materials used including any SPECIFIC ORGANICS (HCFC's).
2. In column (2), enter the annual usage of each material in number of gallons per year, for fiberglass operations, enter number of pounds per year.
3. In column (3), enter emission factors obtained from the supplier or the Material Safety Data Sheet (MSDS).
4. Multiply the annual usage in column (2) by the emission factor in column (3). Enter the results in column (4) under REACTIVE or SPECIFIC.
5. Total the annual emissions in column (4) and enter the totals in the proper box.
6. Transfer the totals to Form C-U, Line C.

(An example for a typical company may be found in Appendix B of the general instruction booklet.)

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.



FORM B-4-U: EMISSIONS FROM PROCESSES NON-PERMITTED EQUIPMENT - CALENDAR YEAR 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

COMPANY NAME: ANDREW JERGENS COMPANY

I.D. No.: 020652

(COPY THE COMPANY NAME AND I.D. No. AS IT APPEARS ON FORM C.)

Instructions: Please complete the table by following the steps listed below.

1. Enter the permit number or process description.
2. Enter annual production for calendar year 1990, in tons per year of product, for manufacturing facilities, or enter annual throughput, in thousands of gallons per year.
3. Enter total operating time of process, in hours, for calendar year 1990.
(HRS/DAY x DAYS/WEEK x WEEKS/YEAR)
4. Enter the appropriate emission factors in the brackets.
5. Calculate the emissions for each pollutant by multiplying the annual production by the emission factor. Record the emissions in the appropriate column.
6. Total the emissions for each pollutant. Place the result on the line marked "TOTAL EMISSIONS (LBS/YR)".
7. Transfer the totals to Form C-U, Line D.

NOTE THAT COMBUSTION EMISSIONS SHOULD NOT BE RECORDED ON THIS FORM. EMISSIONS DUE TO THE BURNING OF FUELS SHOULD ONLY BE REPORTED ON FORMS B-1, AND B-2.

| PERMIT NO. OR PROCESS DESCRIPTION | ANNUAL PRODUCTION THROUGHPUT | OPERATING HOURS/YR | ORGANIC GASES | METHANE | SPECIFIC ORGANICS | NITROGEN OXIDES | SULFUR OXIDES | CARBON MONOXIDE | PART. MATTER |
|--|------------------------------------|-----------------------|------------------|---------|----------------------|--------------------|------------------|--------------------|-----------------|
| | none | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| | | | [] | [] | [] | [] | [] | [] | [] |
| TOTAL EMISSIONS (LBS/YR) TRANSFER TOTAL TO FORM C-U, LINE D. | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SCAQMD MAY AUDIT YOUR COMPANY'S EMISSIONS. PLEASE RETAIN ALL RECORDS AND CALCULATIONS USED IN COMPLETING THIS SUMMARY FOR A MINIMUM OF TWO YEARS.

RETURN WHITE AND YELLOW COPIES TO SCAQMD. RETAIN PINK COPY FOR YOUR RECORDS.

SCAQMD FORM B-4-U-1/2/91

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 8**

NONE

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 9**

NONE

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 10**

NONE

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 11**

- Chemical Hazard Data Log
- Manifest Forms

CHEMICAL HAZARD DATA LOG
The Andrew Jergens Co., Burbank, Ca.
Reference: SAFETY & HEALTH HM 1-3

HM 1-1

(file:CHEMHAZ)

Suprsds. No.
Date:
Page:

Page:
Date: 7/29/1986

LEGEND: CAS=CHEMICAL ABSTRACTS SERVICE
ORM=OSHA REGULATED MATERIAL
AR=AEROSOL

CTFA

TOSCA

| DESCRIPTION/ TRADE NAME | SUPPLIER | AJ CODE NO. | CHEMICAL NAME (COMMON NAME) | CAS NO. | HAZARDOUS COMPONENT | CAS NO. | ORM | STATE | CONT. SIZE | LOCATION BLDG FL | ANNUAL USAGE LBS |
|--|---------------------|-------------|---|---------|--|------------|-----|--------|----------------|---------------------|------------------------|
| Acetic Anhydride | Filtrol Corporation | | Acetic Anhydride | | Acetic Anhydride | 108-24-7 | | LIQUID | 1 x 4 L | 11 4 | LAB USE |
| Acetone | | | Acetone | | Acetone | 67-64-1 | | LIQUID | 1 x 4 L | 11 4 | LAB USE |
| Acetylene Gas Cylinder | | | Acetylene | | Acetylene | 74-86-2 | | GAS | ----- | 13 1 | |
| Adsorbent Clay | | | Filtrol Aluminum Silicates | | ----- | | | SOLID | 50 lb Bag | 10 1 2 | 93000 |
| Alizarine | Dow Corning Corp. | | Alizarine | | Alizarine | 72-48-0 | | SOLID | 10 gms | 11 4 | LAB USE |
| Aluminum Chlorohydrate 50% Solution | | | Aluminum Chlorhydrate | | Aluminum Chlorhydrate | 12042-91-0 | | LIQUID | 600 lb Drum | 17 4 | 22713 |
| Aluminum Potassium Sulfate | | | Aluminum Potassium Sulfate | | Aluminum Potassium Sulfate | 7784-24-9 | | SOLID | 5 lb. | 11 4 | LAB USE |
| Aluminum Sulfate | Van Waters & Rogers | | Standard or Iron Free Aluminum Sulfate | | ----- | | | SOLID | 100 lb Bag | 6 4 | 4650 |
| 1-Amino 2-Naphthol 4-Sulfonic Acid | | | 1-Amino 2-Naphthol 4-Sulfonic Acid | | 1-Amino 2-Naphthol 4-Sulfonic Acid | 116-63-2 | | SOLID | 25 g | 11 4 | LAB USE |
| 4-Amino Antipyrine | | | 4-Amino Antipyrine | | 4-Aminoantipyrine | 83-07-8 | | SOLID | 3 x 25 g | 11 4 | LAB USE |
| | | | | | | | | | | | |

DOCUMENT RESPONSIVE TO REQUEST NO. 11
019020

CHEMICAL HAZARD DATA LOG
The Andrew Jergens Co., Burbank, Ca.
Reference: SAFETY & HEALTH HM 1-3

HM 1-1

(file:CHEMHAZ)

Suprsds. No.
Date:
Page:

Page:
Date: 7/29/1986

LEGEND: CAS=CHEMICAL ABSTRACTS SERVICE
ORM=OSHA REGULATED MATERIAL
AR=AEROSOL

CTFA

TOSCA

| DESCRIPTION/ TRADE NAME | SUPPLIER | AJ CODE NO. | CHEMICAL NAME (COMMON NAME) | CAS NO. | HAZARDOUS COMPONENT | CAS NO. | ORM | STATE | CONT. SIZE | LOCATION BLDG FL | ANNUAL USAGE LBS |
|--------------------------------|----------|-------------|--------------------------------|---------|----------------------------|------------|-----|--------|---------------------------|---------------------|------------------------|
| Ammonium Acetate | | | Ammonium Acetate | | Ammonium Acetate | 631-61-8 | | SOLID | 1 1/2 lb | 11 4 | LAB USE |
| Ammonium Carbonate | | | Ammonium Carbonate | | Ammonium Carbonate | 10361-29-2 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Ammonium Chloride | | | Ammonium Chloride | | Ammonium Chloride | 12125-02-9 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Ammonium Chromate | | | Ammonium Chromate | | Ammonium Chromate | 7788-98-9 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Ammonium Hydroxide | | | Ammonium Hydroxide | | Ammonium Hydroxide | 1336-21-6 | | LIQUID | 3 x 5 lb | 11 4 | LAB USE |
| Ammonium Lauryl Sulfate 28% | | | Ammonium Lauryl Sulfate | | Ammonium Lauryl Sulfate | 2235-54-3 | | LIQUID | 104,780 lb. Pipline | Y 6 2 4 | 1208779 |
| Ammonium Molybdate | | | Ammonium Molybdate | | Ammonium Molybdate | 12027-67-7 | | SOLID | 5 lb. | 11 4 | LAB USE |
| Ammonium Nitrate | | | Ammonium Nitrate | | Ammonium Nitrate | 6484-52-2 | | SOLID | 5 lb. | 11 4 | LAB USE |
| Ammonium Oxlate | | | Ammonium Oxlate | | Ammonium Oxlate | 6009-70-7 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Ammonium Persulfate | | | Ammonium Persulfate | | Ammonium Persulfate | 7277-54-0 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Ammonium Phosphate | | | Ammonium Phosphate | | Ammonium Phosphate | 7722-76-1 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Ammonium Sulfate | | | Ammonium Sulfate | | Ammonium Sulfate | 7783-20-2 | | SOLID | 2 x 1 lb | 11 4 | LAB USE |
| Ammonium Sulfide | | | Ammonium Sulfide | | Ammonium Sulfide | 12135-76-1 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Ammonium Thiocyanate | | | Ammonium Thiocyanate | | Ammonium Thiocyanate | 1762-95-4 | | SOLID | 1/4 lb. | 11 4 | LAB USE |

CHEMICAL HAZARD DATA LOG
The Andrew Jergens Co., Burbank, Ca.
Reference: SAFETY & HEALTH HM 1-3

HM 1-1

(file:CHEMHAZ)

Suprsds. No.

Date:

Page:

Page:

Date: 7/29/1986

LEGEND: CAS=CHEMICAL ABSTRACTS SERVICE

ORM=OSHA REGULATED MATERIAL

AR=AEROSOL

CTFA

TOSCA

| DESCRIPTION/ TRADE NAME | SUPPLIER | AJ CODE NO. | CHEMICAL NAME (COMMON NAME) | CAS NO. | HAZARDOUS COMPONENT | CAS NO. | ORM | STATE | CONT. SIZE | LOCATION BLDG FL | ANNUAL USAGE LBS |
|--|----------|-------------|--|---------|---------------------------------|-----------|-----|--------|---------------|---------------------|------------------------|
| n-Amyl Alcohol | | | n-Amyl Alcohol | | n0-Amyl Alcohol | 71-41-0 | | LIQUID | 1 pt. | 11 4 | LAB USE |
| Anthranilic Acid | | | Anthranilic Acid | | Anthranilic Acid | 118-92-3 | | SOLID | 100 g. | 11 4 | LAB USE |
| Aqua Serv 4691 Scale/ Corrosion Inhibitor | | | Scale/Corrosion Inhibitor | | ----- | | | LIQUID | Service | 13 1 | |
| Aqua Serv 4817 Silicone Emulsion | | | Silicone Defoamer | | ----- | | | LIQUID | 1 gal. | 13 1 | |
| Aqual Serv 7212 Microbiocide | | | Potassium Dimethyldith- iocarbamate | | ----- | | | LIQUID | 5 gal. | 13 1 | |
| Aqua Serv 7413 Microbiocide | | | Microbiocide | | Dibromonitrilo- propionimide | | | LIQUID | Service | 13 1 | |
| Aqua Serv 7420 Microbiocide | | | Aqueous Glutaraldehyde | | Glutaraldehyde | 111308 | | LIQUID | 5 gal. | 13 1 | |
| Aqua Serv 8230 Sodium Nitrite | | | Closed System Water Treatment | | Solium Nitrite | 7632000 | | LIQUID | 5 gal. | 13 1 | |
| Aqua Serv A109 Microbiocide | | | Cooling Tower Biocide | | ----- | | | LIQUID | Service | 13 1 | |
| Argon Gas Cylinder | | | Argon | | Argon | 7440-37-1 | | GAS | | 13 1 | |
| Arsenic Oxide | | | Arsenic oxide | | Arsenic Oxide | 1327-53-3 | | SOLID | | 11 4 | LAB USE |
| Aurin Tricarboxyloc Acid | | | Aurin Tricarboxylic Acid | | Aurin Tricarboxylic Acid | 4431-00-9 | | SOLID | 100 gr. | 11 4 | LAB USE |

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|----------------------------|-------------------------------|-------------|--------------------------------|---------|---|---|-----|--------|---------------------------|---------------------|------------------------|
| Azolitim | | | Azolitim | | Azolitim | 1400-62-0 | | SOLID | 2 x 2 gr | 11 4 | LAB USE |
| Barium Chloride | | | Barium Chloride | | Barium Chloride | 10361-37-2 (hydrated) 10326-27-9 (anhydrous) | | SOLID | 2 x 1 lb | 11 4 | LAB USE |
| Benzophenone | | | Benzophenone | | Benzophenone | 119-61-6 | | SOLID | 100 gm. | 11 4 | LAB USE |
| #9 Black Marking Ink | | | #9 Black Marking Ink | | Dimethyl Phthalate; Denatured & Butyl Alcohol | | | LIQUID | 1 gal. | 3 2 | |
| Blue Blend Color | Andrew Jergens Co. Burbank | | Blue Blend Color | | Titanium Dioxide | | | LIQUID | 400 lb. Contain- er | 17 4 | |
| Blue Stripe Color Mix | Andrew Jergens Co. Burbank | | Blue Stripe Color Mix | | PEG-150 Titanium Dioxide | | | LIQUID | 400 lb Contain- er | 17 4 | |
| Boric Acid | | | Boric Acid | | Boric Acid | 10043-35-3 | | SOLID | 5 lb. | 11 4 | LAB USE |
| Brine | Andrew Jergens Co. Burbank | | Brine | | Sodium Hydroxide | 1310-73-2 | | LIQUID | 25000gal 2500 lb. | W.Yard 17 | |
| Bromo Cresol Green | | | Bromo Cresol Green | | Bromo Cresol Green | 76-60-8 | | SOLID | 5 gr. | 11 4 | LAB USE |
| Bromo Cresol Purple | | | Bromo Cresol Purple | | Bromo Cresol Purple | 1115-40-2 | | SOLID | 1 gr. | 11 4 | LAB USE |

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|-------------------------------|---------------------------|-------------|--------------------------------|---------|------------------------|--------------------------|-----|--------|----------------------|---------------------|------------------------|
| Bromothymol Blue | B.F.Goodrich Chemical Co. | | Bromothymol Blue | | Bromothymol Blue | 76-59-5 | | SOLID | 1 x 1 gr 1 x 5 gr | 11 4 | LAB USE |
| Butyl Acetate | | | Butyl Acetate | | Butyl Acetate | 123-86-4 | | LIQUID | 8 pts. | 11 4 | LAB USE |
| Butyl Alcohol | | | Butyl Alcohol | | Butyl Alcohol | 71-36-3 | | LIQUID | 1 gal. 1 pt. | 11 4 | LAB USE |
| Calcium Carbonate | | | Calcium Carbonate | | Calcium Carbonate | 471-34-1 | | SOLID | 125 gr. | 11 4 | LAB USE |
| Calcium Chloride | | | Calcium Chloride | | Calcium Chloride | 10035-04-8 (Hydrated) | | SOLID | 1 lb. | 11 4 | LAB USE |
| Calcium Hydroxide | | | Calcium Hydroxide | | Calcium Hydroxide | 1305-62-0 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Calcium Oxide | | | Calcium Oxide | | Calcium Oxide | 1305-78-8 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Calcium Sulfate | | | Calcium Sulfate | | Calcium Sulfate | 7778-18-9 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Cannon Premix Copier Toner | | | Premix-Concentrated Toner | | | | | LIQUID | 1 qt. | 1 3 | |
| Carbomer 941 | | | Carbonxy polymethylene | | Carboxy ploymethylene | | | SOLID | 50 lb. box | 17 4 | 7842 |
| Carbon Disulfide | | | Carbon Disulfide | | Carbon Disulfide | 75-15-0 | | LIQUID | 1 lb. | 11 4 | LAB USE |
| Carbon Tetrachloride | | | Carbon Tetrachloride | | Carbon Tetrachloride | 56-23-5 | | LIQUID | 2 x 4 lt | 11 4 | LAB USE |

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|--------------------------------------|----------|-------------|--------------------------------------|---------|---|--|-----|--------|---------------|---------------------|------------------------|
| Chevron Delo 200 Motor Oil SAE 30 | | | Chevron Delo 200 Motor Oil SAE 30 | | Highly refined base Oils, Inhibitors, dispersant, calcium phenate & zinc dialkyldithiophosphate | 64742-36-5 64742-65-0 64742-57-0 64742-01-4 64742-54-7 68649-42-3 | | LIQUID | 55 gal. | 13 4 | |
| Chevron GST Oil 46 | | | Chevron GST Oil 46 | | Highly refined base oils | 64742-65-0 64742-36-5 64742-54-7 | | LIQUID | 5 gal. | 13 1 | |
| Chevron Gasoline Regular Grade | | | Chevron Regular Gasoline | | Benzene n-hexane toluene xylene | 71-43-2 110-54-3 108-88-3 1330-20-7 | | LIQUID | | | |
| Chevron NL Gear Compound 100 | | | Chevron NL Gear Compound 100 | | Highly refined base oils. Foam inhib- itors, pour depres- sant, antiwear gear compounds. | 64742-54-7 64742-65-0 64742-01-4 | | LIQUID | 24 gal. | 13 1 | |
| Chevron NL Gear Compound 150 | | | Chevron NL Gear Compound 150 | | same as above | | | LIQUID | 50 gal. | 13 1 | |
| Chevron NL Gear Compound 460 | | | Chevron NL Gear Compound 460 | | Highly refined base oils. Foam inhib- itors, pour depres- sant, antiwear gear compounds. | 64742-57-0 64742-01-4 64742-54-7 64742-65- 90 | | LIQUID | 120 lb. | 13 1 | |

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|----------------------------|--|-------------|--------------------------------|---------|--|--|-----|--------|--------------------|---------------------|------------------------|
| Chevron Thinner 3508 | | | Chevron Thinner 3508 | | | | | LIQUID | 55 gal. | 13 1 2 1 | |
| Chevron Vistac Oil 150X | | | Chevron Vistac Oil 150X | | Highly refined base oils. Inhibitors oiliness & tacky agents, extreme pressure agent, zinc dialkyldithiophosphate chlorinated paraf- fin, wax | 64742-54-7 64742-52-5 64741-96-4 64742-62-7 64742-65-0 64742-36-5 68649-42-3 63449-39-8 | | LIQUID | 5 gal. | 13 1 | |
| Chloroacetic Acid | Akzo Zout Chemie Nederland (ROBEKO CHEMICALS INC) | | Chloroacetic Acid | | Chloroacetic Acid | 79-11-8 | | SOLID | 300 lb Drum | 17 4 | 38333 |
| Chlorobenzene | | | Chlorobenzene | | Chlorobenzene | 108-90-7 | | LIQUID | 1 kg. | 11 4 | LAB USE |
| Chloroform | | | Chloroform | | Chloroform | 67-66-3 | | LIQUID | 20 lts. | 11 4 | LAB USE |
| Chromium Hydrate Pigment | H.Kohnstamm co (A 6931 Green) | | Chromium Hydrate Pigment | | Chromium Hydrate Pigment | 12001-99-9 | | SOLID | 100 lb Drum | 17 4 | 18 |
| Chromotropic Acid | | | Chromotropic Acid | | Chromotropic Acid | 3888-44-6 | | SOLID | 25 gr. | 11 4 | LAB USE |
| Citric Acid | | | Citric Acid | | Citric Acid | 5949-29-1 | | SOLID | 2 x 1 lb | 11 4 | LAB USE |
| Citric Acid 50% | Pfizer Inc (Citrasol 502) | | Liquid Citric Acid 50% | | Citric Acid 50% | 77-92-9 | | LIQUID | 6500 gal 325 lb | Y 16 1 | 81679 |

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|-----------------------------------|--------------|-------------|---|---------|-----------------------------------|------------|-----|--------|--------------------|---------------------|------------------------|
| Dextrin | Eagle-Picher | | Dextrin | | Dextrin | 9004-53-9 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Diatomaceous Earth | | | Silicon Dioxide (DIATOMACEOUS EARTH) | | Silicon Dioxide | 14808-60-7 | | SOLID | 50 lb Bag | 10 2 | |
| 2,6 Dibromoquinone- chlorimide | | | 2,6 Dibromoquinone- chlorimide | | 2,6 Dibromoquinone- chlorimide | 537-45-1 | | SOLID | 2 x 10gr | 11 4 | LAB USE |
| Dibutyl Phthalate | | | Dibutyl Phthalate | | Dibutyl Phthalate | 84-74-2 | | LIQUID | 1 lb. | 11 4 | LAB USE |
| o-Dichlorobenzene | | | o-Dichlorobenzene | | o-Dichlorobenzene | 95-50-1 | | LIQUID | 1 pt. | 11 4 | LAB USE |
| p-Dichlorobenzene | | | p-Dichlorobenzene | | p-Dichlorobenzene | 106-46-7 | | SOLID | 1 lb. | 11 4 | LAB USE |
| 2,7 Dichloro- fluorescein | | | Dichlorofluorescein | | Dichlorofluorescein | 76-54-0 | | SOLID | 1 gr. | 11 4 | LAB USE |
| Diesel Oil #2 | | | Diesel Oil | | Diesel Oil | | | LIQUID | 36000gal u/g TK | N.Yard | |
| p-Dimethylaminobenzalde- hyde | | | p-Dimethylamino- benzaldehyde | | p-Dimethylamino- benzaldehyde | 100-10-7 | | SOLID | 25 gr. | 11 4 | LAB USE |
| N,N-Dimethylformamide | | | N,N-Dimethylformamide | | N,N-Dimethylformamide | 68-12-2 | | LIQUID | 1 pt. | 11 4 | LAB USE |
| Dioxane | | | Dioxane | | Dioxane | 123-91-1 | | LIQUID | 1 pt. | 11 4 | LAB USE |
| s-Diphenylcarbozide | | | s-s-Diphenylcarbozide | | s-Diphenylcarbozide | 140-22-7 | | SOLID | 25 gr. | 11 4 | LAB USE |

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|--|-------------|-------------|-------------------------------------|---------|----------------------------------|---------------------------------|-----|--------|---------------|---------------------|------------------------|
| s-Diphenylcarbazone | Lonza, Inc. | | S-Diphenylcarbazone | | s-Diphenylcarbazone | 538-62-5 | | SOLID | 10 gr. | 11 4 | LAB USE |
| Diphenylthiocarbamate | | | Diphenylthiocarbamate | | Diphenylcarbamate | 60-10-6 | | SOLID | 25 gr. | 11 4 | LAB USE |
| DMDM Hydantoin | | | 1,3-Dimethylol-5-Dimethyl Hydantoin | | Formaldehyde | 50-00-0 | | LIQUID | 500 lb Drum | 17 4 | 13740 |
| #7018 MR Electrodes | | | #7018 MR Electrodes | | #7018 MR Electrodes | | | SOLID | | 13 1 | |
| Ericson Generator Solution | | | Ericson Generator Solution | | Ericson Generator Solution | | | LIQUID | 1 liter | 11 4 | LAB USE |
| Ericson Vessel Solution (Karl Fischer) | | | Vessel Solution | | Methanol Chloroform Iodine | 67-56-1 67-66-3 7556-56-2 | | LIQUID | 1 liter | 11 4 | LAB USE |
| Eriochrome Black | | | Eriochrome Black | | Eriochrome Black | 1787-61-7 | | SOLID | 10 gr. | 11 4 | LAB USE |
| Ethyl Acetate | | | Ethyl Acetate | | Ethyl Acetate | 64-17-5 | | LIQUID | 2 x 8 pt | 11 4 | LAB USE |
| Ethyl Alcohol | | | Ethyl Alcohol | | Ethyl Alcohol | 64-17-5 | | LIQUID | 3 x 8 pt | 11 4 | LAB USE |
| Ethyl Ether | | | Ethyl Ether | | Ethyl Ether | 60-29-7 | | LIQUID | 2.5 kg | 11 4 | LAB USE |
| Ethyl p-amino benzoate | | | Ethyl p-amino Benzoate | | Ethyl p-amino Benzoate | 94-09-7 | | SOLID | 500 gr. | 11 4 | LAB USE |
| Ethylene Glycol | | | Ethylene Glycol | | Ethylene Glycol | 107-21-1 | | LIQUID | 3 x 4 lt | 11 4 | LAB USE |

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|--|---|-------------|--------------------------------|---------|--|--------------------|-----|--------|------------------------------------|---------------------------|------------------------|
| (Ethylenedinitrilo) Tetraacetic Acid Disodium Salt | | | Same | | (Ethylenedinitrilo) Tetraacetic Acid Disodium Salt | 6381-92-6 | | SOLID | 500 ml 3 x 1 lb | 11 4 | LAB USE |
| Ferric Ammonium Sulfate | | | Ferric Ammonium Sulfate | | Ferric Ammonium Sulfate | 7783-83-7 | | SOLID | 1 lb | 11 4 | LAB USE |
| Ferric Chloride | | | Ferric Chloride | | Ferric Chloride | 10025-77-1 | | SOLID | 2 x 1 lb | 11 4 | LAB USE |
| Ferrous Ammonium Sulfate | | | Ferrous Ammonium Sulfate | | Ferrous Ammonium Sulfate | 7783-85-9 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Ferrous Sulfate | | | Ferrous Sulfate | | Ferrous Sulfate | 7720-78-7 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Formaldehyde 37% | | | Formaldehyde | | Methanol Formaldehyde | 67-56-1 50-00-0 | | LIQUID | 1 pt. | 11 4 | LAB USE |
| Fragrance 1295 | Noville Essential Oil Co., I | ----- | | | | | | LIQUID | 55 gal. Drum | 17 4 | 3851 |
| Fragrance 1334 | International Flavors and Fragrances, Inc. | ----- | | | | | | LIQUID | 55 gal. Drum | 17 4 | 23384 |
| Fragrance 1353 | Roure Bertrand Dupont, Inc. | ----- | | | | | | LIQUID | 55 gal. Drum | 17 4 | 1528 |
| Fragrance 2678 | International Flavors and Fragrances, Inc. | ----- | | | | | | LIQUID | 55 gal. Drum 200 gal tank | 17 4 4 4 3 4 3 1 | 104548 |

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|---|------------------|-------------|---|---------|---|------------|-----|--------|--|---------------------|------------------------|
| Glacial Acetic Acid | Dow Chemical Co. | | Glacial Acetic Acid | | Glacial Acetic Acid | 64-19-7 | | LIQUID | 7 x 5 lb | 11 4 | LAB USE |
| H.B. Fuller HL-7214 Adhesive | | | Adhesive | | 1,1,1-trichloroethane | 71-55-6 | | LIQUID | 500 lb Drum | 11 4 | LAB USE |
| Hardeco Karl Fischer Reagent | | | Hardeco Karl Fischer Reagent | | Hardeco Karl Fischer Reagent | | | LIQUID | 1 L | 11 4 | LAB USE |
| Hardness Indicator | | | Hardness Indicator | | | | | SOLID | 20 Caps | 11 4 | LAB USE |
| Helium Gas Cylinder | | | Helium | | Helium | | | GAS | Cylinder | 13 1 | |
| Hexadecyltrimethyl/ Ammonium Bromide | | | Hexadecyltrimethyl/ Ammonium Bromide | | Hexadecyltrimethyl/ Ammonium Bromide | 57-09-0 | | SOLID | 100 gr. | 11 4 | LAB USE |
| Hydrochloric Acid | | | Hydrochloric Acid | | Hydrochloric Acid | 7674-01-0 | | LIQUID | 4 x 6.0 lb. 11000 lb 100 gal. | 11 4 W.Yard | 85055 LAB USE |
| Hydrofluoric Acid | | | Hydrofluoric Acid | | Hydrofluoric Acid | 7664-39-3 | | LIQUID | 1 lb. | 11 4 | LAB USE |
| Hydroxylamine | | | Hydroxylamine | | Hydroxylamine Hydrochloride | 5470-11-1 | | SOLID | 2 x 1/4 lb. 1 x 500 gr. | 11 4 | LAB USE |
| Hydroxy Naphthol Blue | | | Hydroxy Naphthol Blue | | Hydroxy Naphthol Blue | 63451-35-4 | | SOLID | 1 oz. | 11 4 | LAB USE |

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| Hyflo Super-Cel Diatomaceous Earth | H. Kohnstamm & Co., Inc. | | Silica | | Crystalline Silica | 68855-54-9 | | SOLID | 50 lb Bag | 10 2 | |
| Iodine Crystals | | | Iodine Crystals | | Iodine | 7556-56-2 | | SOLID | 30 gr. 1/4 lb. | 11 4 | LAB USE |
| Iodine Monochloride (Wijs) | | | Iodine Monochloride | | Iodine Monochloride Acetic Acid, glacial | 7790-99-0 64-19-7 | | LIQUID | 1 gal. | 11 4 | LAB USE |
| Iodomethane | | | Iidomethane | | Iodomethane | 74-88-4 | | SOLID | 4 x 2 oz | 11 4 | LAB USE |
| Iron Oxide Color | | | Iron Oxide Blend | | Red and Yellow Iron Oxide | 1309-37-1 | | SOLID | 100 lb Drum | 17 4 | |
| | | | | | Black Iron Oxide | 1317-61-9 | | | | | |
| | | | | | Talc | 14807-96-6 | | | | | |
| Isopropyl Alcohol | | | 2-Propanol | | 2-Propanol | 67-63-0 | | LIQUID | 8 pts. 1 gal. | 11 4 | LAB USE |
| Lead | | | Lead | | Lead | 7439-92-1 | | SOLID | 5 lb. | 11 4 | LAB USE |
| Lead Acetate | | | Lead Acetate | | Lead Acetate | 6080-56-4 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Lean Nitrate | | | Lean Nitrate | | Lean Nitrate | 10099-74-8 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Lecithin | | | Lecithin | | Lecithin | 8002-43-5 | | SOLID | 2 x 1 kg | 11 4 | LAB USE |
| Lugol Solution | | | Lugol Solution | | Lugol Solution | | | LIQUID | 2 x 4 oz | 11 4 | LAB USE |

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| Magnesium Aluminum Silicate | R.T.Vanderbilt Co.,Inc. | | Hydrated Magnesium Aluminum Silicate Mineral | | Magnesium Aluminum Silicate | 12199-37-0 | | SOLID | 100 lb Drum | 17 4 | 8023 |
| Magnesium Chloride | | | Magnesium Chloride | | Magnesium Chloride | 7791-18-6 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Magnesium Nitrate | | | Magnesium Nitrate | | Magnesium Nitrate | 10377-60-3 | | SOLID | 2 x 5 lb | 11 4 | LAB USE |
| Manganous Sulfate | | | Manganous Sulfate | | Manganous Sulfate | 7785-87-7 | | LIQUID | 500 ml | 11 4 | LAB USE |
| Manitol | | | Mannitol | | Mannitol | 69-65-8 | | SOLID | 2 x 250 | 11 4 | LAB USE |
| Mercuric Acetate | | | Mercuric Acetate | | Mercuric Acetate | 1600-27-7 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Mercuric Bromide | | | Mercuric Bromide | | Mercuric Bromide | 7789-47-1 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Mercuric Chloride | | | Mercuric Chloride | | Mercuric Chloride | 7487-94-7 | | SOLID | 1 oz. | 11 4 | LAB USE |
| Mercuric Nitrate | | | Mercuric Nitrate | | Mercuric Nitrate | 7783-34-8 | | SOLID | 100 gr 2 x 1/4 lb. | 11 4 | LAB USE |
| Mercurous Chloride | | | Mercurous Chloride | | Mercurous Chloride | 10112-91-1 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Mercury | | | Mercury | | Mercury | 7439-97-6 | | SOLID | 10 lb. | 11 4 | LAB USE |
| Metacresol Purple | | | Metacresol Purple | | Metacresol Purple | | | SOLID | 2 x 1 gr | 11 4 | LAB USE |
| Methyl Alcohol | | | Methyl Alcohol | | Methyl Alcohol | 67-56-1 | | LIQUID | 5 x 4 l | 11 4 | LAB USE |

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| DESCRIPTION/ TRADE NAME | SUPPLIER | AJ CODE NO. | CHEMICAL NAME (COMMON NAME) | CAS NO. | HAZARDOUS COMPONENT | CAS NO. | ORM | STATE | CONT. SIZE | LOCATION BLDG FL | ANNUAL USAGE LBS |
|---|-----------------------|-------------|--|---------|--|-------------------------|-----|--------|------------------|---------------------|------------------------|
| Methyl Red | Rohm & Haas Co., Inc. | | Methyl Red | | Methyl Red | 493-52-7 | | SOLID | 1/4 lb 25 gr. | 11 4 | LAB USE |
| Methyl Violet | | | Methyl Violet | | Methyl Violet | 8004-87-3 | | SOLID | 10 gr. | 11 4 | LAB USE |
| Methylchloroisothiazoli- none and Methylisothia- zolinone | | | Methylchloroisothia- zolinone (and) Methylisothiazoli- none | | Methylchloroisothia- zolinone Methylisothiazoli- none | 26172-54-3 2682-20-4 | | LIQUID | 40 lb Pail | 17 4 | 6 |
| Methylene Blue Chloride | | | Methylene Blue Chloride | | Methylene Blue Chloride | 7720-79-3 | | SOLID | 10 gr. 25 gr. | 11 4 | LAB USE |
| Methylene Blue Solution | Kalama Chemical, Inc. | | Methylene Blue Solution | | Methylene Blue Solution | | | LIQUID | 1 l | 11 4 | LAB USE |
| Methylpraben NF | | | Methyl Parahydroxybenzoate | | Methyl Parahydroxybenzoate | | | SOLID | 100 lb. Drum | 17 4 | 12626 |
| Morpholine | | | Morpholine | | Morpholine | 110-91-8 | | LIQUID | 500 gr. | 11 4 | LAB USE |
| Nickel Sulfate | | | Nickel Sulfate | | Nickel Sulfate | 10101-97-0 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Nitric Acid | | | Nitric Acid | | Nitric Acid | 7697-37-2 | | LIQUID | 2 x 7 lb | 11 4 | LAB USE |
| Nitrobenzene | | | Nitrobenzene | | Nitrobenzene | 98-95-3 | | LIQUID | 1 kg | 11 4 | LAB USE |
| Nitrogen Gas Cylinder | | | Nitrogen | | Nitrogen | 7727-37-9 | | GAS | Cylinder | 17 3 | |

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|-------------------------------|----------|-------------|--------------------------------|---------|-------------------------------|-----------|-----|-------|-----------------|---------------------|------------------------|
| p-Nitrophenol | | | p-Nitrophenol | | p-Nitrophenol | 100-02-7 | | SOLID | 25 g | 11 4 | LAB USE |
| Oxalic Acid | | | Oxalic Acid | | Oxalic Acid | 6153-56-6 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Oxford BG-29 Floor Cleaner | | | Oxford BG-29 Floor Cleaner | | Oxford BG-29 Floor Cleaner | | | SOLID | 500 lb. Drum | 4 3 | 1 1 |
| Oxygen Gas Cylinder | | | Oxygen | | Oxygen | | | GAS | Cylinder | 13 1 | |

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|--|----------|-------------|--|---------|--|------------|-----|--------|---------------------------|---------------------|------------------------|
| Perchloric Acid | | | Perchloric Acid | | Perchloric Acid | 7601-90-3 | | LIQUID | 1 lb. | 11 4 | LAB USE |
| Periodic Acid | | | Periodic Acid | | Periodic Acid | 13444-71-8 | | SOLID | 2 x 1/4 lb. 500 gr. | 11 4 | LAB USE |
| Petroleum Ether | | | Petroleum Ether | | Petroleum Ether | 8032-32-4 | | LIQUID | 5 gal. | 11 4 | LAB USE |
| 1,10-Phenanthroline Ferrous Sulfate '(Ferroin) | | | 1,10-Phenanthroline Ferrous Sulfate | | 1,10-Phenanthroline Ferrous Sulfate | 14634-91-4 | | LIQUID | 1/2 lb. | 11 4 | LAB USE |
| Phenol Red | | | Phenol Red | | Phenol Red | 13822-28-1 | | SOLID | 1 gr. | 11 4 | LAB USE |
| Phenylhydrazine | | | Phenylhydrazine | | Phenylhydrazine | 100-63-0 | | LIQUID | 1 lb. | 11 4 | LAB USE |
| Phenylhydrazine Hydrochloride | | | Phenylhydrazine Hydrochloride | | Phenylhydrazine Hydrochloride | 59-88-1 | | SOLID | 4 oz. | 11 4 | LAB USE |
| Phloroglucinol Dihydrate | | | Phloroglucinol Dihydrate | | Phloroglucinol Dihydrate | 6099-90-7 | | SOLID | 1 oz. | 11 4 | LAB USE |
| Phosphomolybdic Acid | | | Phosphomolybdic Acid | | Phosphomolybdic Acid | 11104-88-4 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Phosphoric Acid | | | Phosphoric Acid | | Phosphoric Acid | 7664-38-2 | | LIQUID | 1 pt. | 11 4 | LAB USE |
| Picca Ethylene Diamine Tetraacetic Acid | | | Picca Ethylene Diamine Tetraacetic Acid | | Picca Ethylene Diamine Tetraacetic | 60-00-4 | | SOLID | 1 l. | 11 4 | LAB USE |

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|------------------------------------|----------|-------------|------------------------------------|---------|------------------------------------|------------|-----|-------|-------------------------|---------------------|------------------------|
| Picric Acid | | | Picric Acid | | Acid | | | | | | |
| Platinum(ic) Potassium Chloride | | | Platinum(ic) Potassium Chloride | | Platinum(ic) Potassium Chloride | 16921-30-5 | | SOLID | 1 gr. | 11 4 | LAB USE |
| Potassium Acetate | | | Potassium Acetate | | Potassium Acetate | 127-08-2 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Potassium Bisulfate | | | Potassium Bisulfate | | Potassium Bisulfate | 7646-93-7 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Potassium Bromate | | | Potassium Bromate | | Potassium Bromate | 7758-01-2 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Potassium Bromide | | | Potassium Bromide | | Potassium Bromide | 7758-02-3 | | SOLID | 2 x 25 gr. 1/4 lb | 11 4 | LAB USE |
| Potassium Carbonate | | | Potassium Carbonate | | Potassium Carbonate | 584-08-7 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Potassium Chlorate | | | Potassium Chlorate | | Potassium Chlorate | 3811-04-9 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Potassium Chloride | | | Potassium Chloride | | Potassium Chloride | 7447-40-7 | | SOLID | 2 x 1 lb 1 kg | 11 4 | LAB USE |
| Potassium Chromate | | | Potassium Permanganate | | Potassium Permanganate | 7789-00-6 | | SOLID | 1 lb. | 11 4 | LAB USE |

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|----------------------------|----------|-------------|--------------------------------|---------|------------------------|------------|-----|-------|-----------------------------------|---------------------|------------------------|
| Potassium Cyanide | | | Potassium Cyanide | | Potassium Cyanide | 151-50-8 | | SOLID | 500 gr. 1 lb. | 11 4 | LAB USE |
| Potassium Dichromate | | | Potassium Dichromate | | Potassium Dichromate | 7778-50-9 | | SOLID | 2 x 1/4 lb. 5 lb. | 11 4 | LAB USE |
| Potassium Ferricyanide | | | Potassium Ferricyanide | | Potassium Ferricyanide | 13746-66-2 | | SOLID | 2 x 1 lb 1/4 lb | 11 4 | LAB USE |
| Potassium Fluoride | | | Potassium Fluroide | | Potassium Fluroide | 13455-21-5 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Potassium Hydroxide | | | Potassium Hydroxide | | Potassium Hydroxide | 1310-58-3 | | SOLID | 2.5 kg | 11 4 | LAB USE |
| Potassium Iodide | | | Potassium Iodide | | Potassium Iodide | 7681-11-0 | | SOLID | 2 x 2.5 kg 1/4 lb. 1 oz. | 11 4 | LAB USE |
| Potassium Nitrate | | | Potassium Nitrate | | Potassium Nitrate | 7757-79-1 | | SOLID | 2 x 500 g 1 lb. | 11 4 | LAB USE |
| Potassium Permanganate | | | Potassium Permanganate | | Potassium Permanganate | 7722-64-7 | | SOLID | 1 lb. | 11 4 | LAB USE |

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|------------------------------|---|-------------|--------------------------------|---------|------------------------------|------------|-----|--------|-----------------|---------------------|------------------------|
| Potassium Persulfate | Kalama Chemical, Inc. | | Potassium Persulfate | | Potassium Persulfate | 7727-21-1 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Potassium Phosphate | | | Potassium Phosphate | | Potassium Phosphate | 16788-57-1 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Potassium Sodium Tartrate | | | Potassium Sodium Tartrate | | Potassium Sodium Tartrate | 6381-59-5 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Potassium Sulfate | | | Potassium Sulfate | | Potassium Sulfate | 7778-805 | | SOLID | 2 x 1 lb | 11 4 | LAB USE |
| Potassium Thiocyanate | | | Potassium Thiocyanate | | Potassium Thiocyanate | 333-20-0 | | SOLID | 1 lb. | 11 4 | LAB USE |
| n-Propyl Alcohol | | | 1-Propanol | | 1-Propanol | 71-23-8 | | LIQUID | 1.5 L | 11 4 | LAB USE |
| Propylparaben NF | | | Propylparaben | | Propylparaben | 94-13-3 | | SOLID | 100 lb. Drum | 17 4 | 5287 |
| Pur Oxy Umber Color | The Hilton-Davis Chem. Co.Div.of Sterling Drug | | Pur Oxy Umber Color | | Pur Oxy Umber Color | | | SOLID | 110 lb. Drum | 17 4 | |
| Pyridine | | | Pyridine | | Pyridine | 110-86-1 | | LIQUID | 1 x 4 L | 11 4 | LAB USE |

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|------------------------------|---------------------------------|-------------|--------------------------------|---------|---|----------------------|-----|--------|---------------------------|---------------------|------------------------|
| Quaternium-15 | Dow Chemical USA | | Quaternium-15 | | 1-(3-Chlorallyl)-3,5, 7-triaza-1- azoniaadamantane chloride Hexamethylenetetra- mine Hydrochloride | 004080-31- 3 | | SOLID | 50 lb, Drum | 17 4 | 5381 |
| Quaternium-19 | | | Quaternium-19 | | Cationic Cellulosic Ether Isopropanol Solum Chloride | 67-63-0 7647-14-5 | | SOLID | 150 lb. Drum | 17 4 | |
| SD Alcohol 40-B 200 Proof | U.S. Industrial Chemical Co. | | Denatured Ethanol | | Ethanol | 64-17-5 | | LIQUID | 32,720 lb. Pipeline | Y 3 4 | 94399 |
| Safety Kleen Solvent 105 | | | Safety Solvent | | C9-C13 Hydrocarbon | 64741-41-9 | | LIQUID | 20 gal. | 13 1 | |
| Safranin | | | Safranin | | Safranin | 477-73-6 | | SOLID | 25 gr. | 11 4 | LAB USE |
| Salicylic Acid | | | Salicylic Acid | | Salicylic Acid | 69-72-7 | | SOLID | 500 gr. | 11 4 | LAB USE |
| Silver Nitrate | | | Silver Nitrate | | Silver Nitrate | 7761-88-8 | | SOLID | 500 gr. 2 x 1 lb | 11 4 | LAB USE |
| Silver Sulfate | | | Silver Sulfate | | Silver Sulfate | 10294-26-5 | | SOLID | 4 oz. | 11 4 | LAB USE |
| Soda Lime | | | Soda Lime | | Soda Lime | 8006-28-8 | | SOLID | 1 lb. | 11 4 | LAB USE |

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|---------------------------------------|---|-------------|----------------------------------|---------|----------------------------------|-----------|-----|--------|---------------------------|---------------------|------------------------|
| Sodium Acetate | Stepan Chemical Co. Surfactant Dept. | | Sodium Acetate | | Sodium Acetate | 6131-90-4 | | SOLID | 2 x 1 lb | 11 4 | LAB USE |
| Sodium Ammonium Phosphate | | | Sodium Ammonium Phosphate | | Sodium Ammonium Phosphate | 7783-13-3 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Sodium Arsenate | | | Sodium Arsenate | | Sodium Arsenate | 7778-43-0 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Sodium Bicarbonate | | | Sodium Bicarbonate | | Sodium Bicarbonate | 144-55-8 | | SOLID | 5 lb. | 11 4 | LAB USE |
| Sodium Bisulfite | | | Sodium Bisulfite | | Sodium Bisulfite | 7631-90-5 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Sodium C14-16 Olefin Sulfonate 40% | | | Sodium Alpha-olefin Sulfonate | | Sodium Alpha-olefin Sulfonate | | | LIQUID | 85,450 lb. Pipeline | Y 6 2 | 893100 |
| Sodium Carbonate | | | Sodium Carbonate | | Sodium Carbonate | 497-19-8 | | SOLID | 100 lb. Bag | 17 1 | |
| | | | | | | | | | 5 lb. | 11 4 | LAB USE |
| Sodium Chlorate | | | Sodium Chlorate | | Sodium Chlorate | 7775-09-9 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Sodium Chloride | | | Sodium Chloride | | Sodium Chloride | 7647-14-5 | | SOLID | 12 kg 1 lb. | 11 4 | LAB USE |
| Sodium Citrate | | | Sodium Citrate | | Sodium Citrate | 6132-04-3 | | SOLID | 1 lb. | 11 4 | LAB USE |

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|----------------------------------|------------------------------|-------------|----------------------------------|---------|---------------------------------------|------------|-----|--------|--|-------------------------|------------------------|
| Sodium Dichromate | Hoechst Celanese | | Sodium Dichromate | | Sodium Dichromate | 7789-12-0 | | SOLID | 5 lb. 1 lb. | 11 4 | LAB USE |
| Sodium Diethyldithiocarbamate | | | Sodium Diethyldithiocarbamate | | Sodium Diethyldithiocarba- mate | 20624-25-3 | | SOLID | 25 gr. | 11 4 | LAB USE |
| Sodium Hydrosulfite | | | Sodium Hydrosulfite | | Sodium Hydrosulfite | 7775-14-6 | | SOLID | 250 lb. Drum | 11 4 17 4 | 1130 |
| Sodium Hydroxide | Occidental Chemical Corp. | | Sodium Hydroxide | | Sodium Hydroxide Solution | 1310-73-2 | | LIQUID | 2 x 5 lb 348,000 lb. 400 lb. 2,500 lb 700 lb. | Y 6 4 17 4 6 4 | 3981673 |
| Sodium Hydroxide NF | Mallinckrodt, Inc. | | Sodium Hydroide | | Sodium Hydroxide | 1310-73-2 | | SOLID | 110 lb. Drum | 17 4 | 3137 |

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|-----------------------------------|------------------------|-------------|-----------------------------------|---------|-----------------------------------|------------|-----|--------|--------------------------------|---------------------|------------------------|
| Sodium Periodate Meta | | | Sodium Periodate Meta | | Sodium Periodate | 7790-28-5 | | SOLID | 2 x 500 gr. | 11 4 | LAB USE |
| Sodium Nitrate | | | Sodium Nitrate | | Sodium Nitrate | 7631-31-99 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Sodium Oxalate | | | Sodium Oxalate | | Sodium Oxalate | 62-76-0 | | SOLID | 2 x 1 lb | 11 4 | LAB USE |
| Sodium Phosphate | | | Sodium Phosphate | | Sodium Phosphate | 7558-7558- | | SOLID | 3 x 1 lb | 11 4 | LAB USE |
| Sodium Pyrophosphate, Tetra | | | Sodium Pyrophosphate, Tetra | | Sodium Pyrophosphate, Tetra | 7722-88-5 | | SOLID | 5 lb. | 11 4 | LAB USE |
| Sodium Rhodizonate | | | Sodium Rhodizonate | | Sodium Rhodizonate | 523-21-7 | | SOLID | 2 x 1/2 gr. | 11 4 | LAB USE |
| Sodium Silicate, 20 degrees BE | Diamond Shamrock Corp. | | Sodium Silicate '20 degrees BE | | Sodium Silicate Solution (40%) | 1344-09-8 | | SOLID | 8600 gal 400 lb. 300 lb. | Y 16 1 17 3 | 55913 |
| Sodium Silicate, Liq. | Philadelphia Quartz | | Silicare Acid | | Sodium Silicate | 1344-09-8 | | LIQUID | 600 lb. Drum | 17 4 | |

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|---|--------------------|-------------|--|---------|--|------------|-----|-------|-----------------------------------|---------------------|------------------------|
| Sodium Sulfate | Andrew Jergens Co. | | Sodium Sulfate | | Sodium Sulfate | 7757-82-6 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Sodium Sulfide | | | Sodium Sulfide | | Sodium Sulfide | 1313-84-4 | | SOLID | 2 x 1 lb | 11 4 | LAB USE |
| Sodium Sulfite | | | Sodium Sulfite | | Sodium Sulfite | 7757-83-7 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Sodium Thiosulfate | | | Sodium Thiosulfate | | Sodium Thiosulfate | 10102-17-7 | | SOLID | 5 lb. 2.5 kg. | 11 4 | LAB USE |
| Solka Flocc | | | Solka Flocc | | Solka flocc | | | SOLID | 50 lb. | 10 2 | |
| Stannous Chloride | | | Stannour Chloride | | Stannous Chloride | 10025-69-1 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Stearalkonium Chloride 85% | | | Stearyl Dimethyl Benzyl Ammonium Chloride | | Stearalkonium Chloride 85% | 122-19-0 | | SOLID | 150 lb. Drum 50 lb. Drum | 2 4 2 4 | |
| Stearamidopropyl Dimethylamine Lactate | Andrew Jergens Co. | | Stearamidopropyl Dimethylamine Lactate | | Stearamidopropyl Dimethylamine Lactate | 55819-53-9 | | SOLID | 425 lb. Drum | 17 4 | 960 |

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| Sulfosalicylic Acid | W.R.Grace & Co. | | Sulfosalicylic Acid | | Sulfosalicylic Acid | 97-05-2 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Sulfuric Acid | | | Sulfuric Acid | | Sulfuric Acid | 7664-93-9 | | LIQUID | 6 x 9.0 lb. | 11 4 | LAB USE |
| Sulfurous Acid | | | Sulfurous Acid | | Sulfurous Acid | 7782-99-2 | | LIQUID | 1 lb. | 11 4 | LAB USE |
| T-8 Ink Solvent | | | Ethylene Glycol Monopropyl Ether | | Ethylene Glycol Monopropyl Ether | | | LIQUID | 1 gal. | 3 2 | |
| Tannic Acid | | | Tannic Acid | | Tannic Acid | 1401-55-4 | | SOLID | 1/4 lb. | 11 4 | LAB USE |
| Tetra Brom Phenol Sulfon Phthalein | | | Tetra Brom Phenol Sulfon Phthalein | | Tetra Brom Phenol Sulfon Phthalein | 115-39-9 | | SOLID | 5 gr. | 11 4 | LAB USE |
| Tetrabutylammonium Iodide | | | Tetrabutylammonium Iodide | | Tetrabutylammonium Iodide | 311-28-4 | | SOLID | 2 x 25 gr. | 11 4 | LAB USE |
| Tetrachlorethylene | | | Tetrachlorethylene | | Tetrachlorethylene | 127-18-4 | | LIQUID | 3 x 4.0 kg | 11 4 | LAB USE |
| Tetrahydrofuran | | | Tetrahydrofuran | | Tetrahydrofuran | 109-99-9 | | LIQUID | 1 pt. | 11 4 | LAB USE |
| Tetrasodium EDTA 39% | | | Tetrasodium EDTA 39% | | Tetrasodium Ethylene Diamine Tetraacetate | 64-02-8 | | LIQUID | 8600 gal 325 lb. | Y 17 3 | 42038 |

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| Thioglycolic Acid | | | Thioglycolic Acid | | Thioglycolic Acid | 68-11-1 | | SOLID | 50 gr. | 11 4 | LAB USE |
| 2% Thoriated Welding Electrodes | | | Tungsten Metal Alloy | | Tungsten Thoria | 7440337 1314201 | | SOLID | ----- | 13 1 | |
| Thymol Blue, Sodium Salt | | | Thymol Blue | | Thymol Blue, Sodium Salt | 62625-21-2 | | SOLID | 1 gr. 5 gr. | 11 4 | LAB USE |
| Thymolphthalein | | | Thymolphthalein | | Thymolphthalein | 125-20-2 | | SOLID | 5 gr. | 11 4 | LAB USE |
| Tinopal CBS-X | Ciba-Geigy Corp. | | Distyryl Biphenyl der. | | Distyryl Biphenyl der. | 27344-41-8 | | SOLID | 55 lb. | 17 4 | 1216 |
| Titanium dioxide | Whittaker, Clerk & Daniels, Inc. | | Titanium Dioxide | | Titanium dioxide | 13463-67-7 | | SOLID | 50 lb. Bag | 1 4 | 68765 |
| Titanium Oxide | | | Titanium Oxide | | Titanium Oxide | 13463-67-7 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Toluene | | | Toluene | | Toluene | 108-88-3 | | LIQUID | 4 L | 11 4 | LAB USE |
| p-Toluidine Hydrochloride | | | p-Toluidine Hydrochloride | | p-Toluidine Hydrochloride | 540-23-8 | | SOLID | 500 gr. 100 gr. | 11 4 | LAB USE |
| Trichloroethylene | | | Trichloroethylene | | Trichloroethylene | 79-01-6 | | LIQUID | 8 pts. | 11 4 | LAB USE |

CHEMICAL HAZARD DATA LOG
The Andrew Jergens Co., Burbank, Ca.
Reference: SAFETY & HEALTH HM 1-3

HM 1-1

Suprsds. No.
Date:
Page:

Page: 7/29/1986
Date:

LEGEND: CAS=CHEMICAL ABSTRACTS SERVICE
ORM=OSHA REGULATED MATERIAL
AR=AEROSOL

CTFA

TOSCA

| DESCRIPTION/ TRADE NAME | SUPPLIER | AJ CODE NO. | CHEMICAL NAME (COMMON NAME) | CAS NO. | HAZARDOUS COMPONENT | CAS NO. | ORM | STATE | CONT. SIZE | LOCATION BLDG FL | ANNUAL USAGE LBS |
|--|--------------------|-------------|------------------------------------|---------|---|----------|-----|--------|--------------------------------------|---------------------|------------------------|
| 2,2,4-Trimethylpentane | | | 2,2,4-Trimethylpentane | | 2,2,4-Trimethylpentane | 540-84-1 | | LIQUID | 8 pts. | 11 4 | LAB USE |
| United Resin Adhesive #56-8019 | | | United Resin Adhesive | | 1,1,1 Trichlorethane | | | LIQUID | 400 lb. Drum | 3 2 | |
| Vestal LpH Germicidal Acid Phenolic disinfectant | | | Vestal Lph Germicidal Detergent | | Glycol acid; o-benzyl-pchloroph- enol; p-tertiary amylphenol | | | LIQUID | 1 gal. 1 gal. | 3 4 3 2 | |
| Water Base Mix Aloe & Lanolin | Andrew Jergens Co. | | Water Base Mix | | Titanium Dioxide | | | LIQUID | 400 lb. Contain- er | 17 4 | |
| Water Base Mix - White Jergens Mild Soap | Andrew Jergens Co. | | Water Base Mix | | Titanium Dioxide | | | LIQUID | 5500 lb. Tank 2000 lb. Tank | 17 4 | |
| Water Base Mix - Pink Pami | Andrew Jergens Co. | | Water Base Mix | | Titanium Dioxide | | | LIQUID | 400 lb. Contain- er | 17 4 | |
| Water Base Mix - Blue Pami | Andrew Jergens Co. | | Water Base Mix | | Titanium Dioxide | | | LIQUID | 400 lb. Contain- er | 17 4 | |

CHEMICAL HAZARD DATA LOG
The Andrew Jergens Co., Burbank, Ca.
Reference: SAFETY & HEALTH HM 1-3

HM 1-1

Suprsds. No.
Date:
Page:

Page: 7/29/1986
Date:

LEGEND: CAS=CHEMICAL ABSTRACTS SERVICE
ORM=OSHA REGULATED MATERIAL
AR=AEROSOL

CTFA

TOSCA

| DESCRIPTION/ TRADE NAME | SUPPLIER | AJ CODE NO. | CHEMICAL NAME (COMMON NAME) | CAS NO. | HAZARDOUS COMPONENT | CAS NO. | ORM | STATE | CONT. SIZE | LOCATION BLDG FL | ANNUAL USAGE LBS |
|-------------------------------------|--------------------|-------------|-----------------------------------|---------|--------------------------------|------------|-----|--------|---------------------------|---------------------|------------------------|
| Water Base Mix - Almond Pami | Andrew Jergens Co. | | Water Base Mix | | Titanium Dioxide | | | LIQUID | 400 lb. Contain- er | 17 4 | |
| Walco W1060 & W1200 Welding Wire | | | Walco W1060 & W1200 | | Manganese | | | SOLID | | 13 1 | |
| Xerox 1040/1045/1048 Developer | | | Xerox 1040/1045/1048 Developer | | | | | LIQUID | 1 qt. | 1 3 | |
| Xerox 1040/1045/1048 Toner | | | 1040/1045/1048 Toner | | Styrene, Acrylate Copolymer | 25213-39-2 | | LIQUID | 1 qt. | 1 3 | |
| | | | | | Carbon Black | 7440-44-0 | | | | | |
| Xerox Silicone Fuser Oil | | | Polydimethylsiloxane | | Polydimethylsiloxane | 63148-62-9 | | LIQUID | 1 qt. | 1 3 | |
| Xylene Cyanole | | | Xylene | | Xylene Cyanole | 2650-17-1 | | SOLID | 100 gr. | 11 4 | LAB USE |
| Xylenes | | | Xylenes | | Xylenes | 1330-20-7 | | LIQUID | 8 pts. | 11 4 | LAB USE |
| Xylenol Orange | | | Xylenol Orange | | Xylenol Orange | 3618-43-7 | | SOLID | 1 gr. 5 gr. | 11 4 | LAB USE |
| Zinc | | | Zinc | | Zinc | 7740-66-6 | | SOLID | 5 lb. 1/4 lb. | 11 4 | LAB USE |

CHEMICAL HAZARD DATA LOG
The Andrew Jeryens Co., Burbank, Ca.
Reference: SAFETY & HEALTH HM 1-3

HM 1-1

Suprsds. No.
Date:
Page:

Page: 7/29/1986
Date:

LEGEND: CAS=CHEMICAL ABSTRACTS SERVICE
ORM=OSHA REGULATED MATERIAL
AR=AEROSOL

CTFA

TOSCA

| DESCRIPTION/ TRADE NAME | SUPPLIER | AJ CODE NO. | CHEMICAL NAME (COMMON NAME) | CAS NO. | HAZARDOUS COMPONENT | CAS NO. | ORM | STATE | CONT. SIZE | LOCATION BLDG FL | ANNUAL USAGE LBS |
|----------------------------|----------|-------------|--------------------------------|---------|------------------------|-----------|-----|-------|---------------------|---------------------|------------------------|
| Zinc Sulfate | | | Zinc Sulfate | | Zinc Sulfate | 7446-20-0 | | SOLID | 1 lb. | 11 4 | LAB USE |
| Zinc Chloride | | | Zirconyl Chloride | | Zirconyl Chloride | 7699-43-6 | | SOLID | 500 gr. 2 x 50gr | 11 4 | LAB USE |

Please print or type. (Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1

Information in the shaded areas
is not required by Federal law

3. Generator's Name and Mailing Address

The Andrew Jergens Company 90-200
99 West Verdugo Ave., Burbank, Ca. 91502
4. Generator's Phone (818) 846-9822

A. State Manifest Document Number

89436413

B. State Generator's ID

HAH026028209

C. State Transporter's ID

110005

D. Transporter's Phone

213-681-1610

E. State Transporter's ID

F. Transporter's Phone

5. Transporter 1 Company Name

BDC Services

6. US EPA ID Number

IC1AID198811415151210

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

RTK-Box BKK Landfill
2210 S. Azusa, W. Covina

10. US EPA ID Number

IC1AID101517171816171419

G. State Facility's ID

CA1006778167441

H. Facility's Phone

818 965-0911

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. "R.Q." Hazardous Substance Solid, n.o.s. ~~HEM-E~~
NA9188 (Asbestos)

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

I. Waste No.

002BA 90020P

State 151

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

J. Additional Descriptions for Materials Listed Above

California regulated waste

K. Handling Codes for Wastes Listed Above

a. 03

c.

d.

15. Special Handling Instructions and Additional Information

Do not break bags or cause dust. Avoid breathing dust. Bury separately and cover with backfill.

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

ALLEN W. HAIG

Signature

Allen W. Haig

Month Day Year

10/31/1990

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Harold Hansen

Signature

Harold Hansen

Month Day Year

08/01/90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

0.02

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

MARTIN ADAME

Signature

Martin Adame

Month Day Year

08/02/90

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650

GENERATOR

FACILITY

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

CAD982016160

Manifest Document No.

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

ANDREW JERGENS

99 W. VERDUGO AVE.

BURBANK, CA., 91502

4. Generator's Phone (818) 846-9822

JOB # 2425-I

A. State Manifest Document Number

8 8282545

B. State Generator's ID

HA03 5 - 02 8 3 5 7

C. State Transporter's ID

010706

D. Transporter's Phone

(818) 330-7231

E. State Transporter's ID

010357

F. Transporter's Phone

(213) 681-1610

5. Transporter 1 Company Name

P. W. STEPHENS CONTRACTORS INC.

8. US EPA ID Number

CAD981414063

7. Transporter 2 Company Name

B.D.C. SERVICES, INC

8. US EPA ID Number

CAD981455520

9. Designated Facility Name and Site Address

B.K.K. LANDFILL

2210 S. AZUSA AVE

WEST COVINA, CA 91790

10. US EPA ID Number

CAD067786749

G. State Facility's ID

CAD067786749

H. Facility's Phone

(818) 965-0914

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. "RQ" HAZARDOUS WASTE SOLID, N.O.S. ORM-E
NA 9188 "ASBESTOS"

12. Containers

No.

13. Total Quantity

Unit

Wt/Vol

14. Waste No.

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

J. Additional Descriptions for Materials Listed Above

#1.1 ASBESTOS

K. Handling Codes for Wastes Listed Above

a.

b.

c.

d.

15. Special Handling Instructions and Additional Information

STOP AND HANDLE TO AVOID AIRBORNE PARTICLES. IN CASE OF SPILL USE RESPIRATORY PROTECTION AND DISPOSABLE CLOTHING. WET THOROUGHLY OR USE APPROVED VACUUM WITH HEPA FILTERS TO CLEAN DEBRIS. DOUBLE BAGGED!!!!

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

ALLEN W. HAIG

Signature

Allen W. Haig

Month Day Year

10/4/91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Donald J. ...

Signature

Donald J. ...

Month Day Year

10/4/91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

ANGEL MANTUAZ

Signature

Angel Mantua

Month Day Year

10/4/91

19. Discrepancy Indication Space

0-30

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.

Printed/Typed Name

Don Taylor

Signature

Don Taylor

Month Day Year

10/4/91

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

**UNIFORM HAZARDOUS
WASTE MANIFEST**

| | | | | | | | | | |
|--|--|----------------------------|--|--|--|---|--|---------------------------------|--|
| 1. Generator's US EPA ID No. CAD982016456 | | Manifest Document No. | | 2. Page 1 of | | Information in the shaded areas is not required by Federal law. | | | |
| 3. Generator's Name and Mailing Address Andre Jergens 99 W. Verdugo Avenue, Burbank, Ca 91502 818, 846-9822 | | | | A. State Manifest Document Number 89303105 | | | | | |
| 5. Transporter 1 Company Name Enkay Eng. & Equip. Co., Inc. | | | | C. State Transporter's ID 008836 | | | | | |
| 6. US EPA ID Number CAD981438351 | | | | D. Transporter's Phone (714) 668-0661 | | | | | |
| 7. Transporter 2 Company Name National Environmental Corp. | | | | E. State Transporter's ID | | | | | |
| 8. US EPA ID Number CAD981438146 | | | | F. Transporter's Phone (916) 222-6613 | | | | | |
| 9. Designated Facility Name and Site Address PEN-ROB CORP. LANDFILL 3MI NO/I-40, Eastside of Porter Avenue Joseph City, AZ 86032 | | | | G. State Facility's ID | | | | | |
| 10. US EPA ID Number AZC0000001509 | | | | H. Facility's Phone (800) 292-9230 | | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. Type | | 13. Total Quantity | | 14. Unit Wt/Vol | | L. Waste No. | |
| a. "RQ" Hazardous Waste Solid N.O.S. ORM-E, NA (Asbestos) 9189 | | 0108A00220 | | | | P | | State 151 | |
| b. | | | | | | | | EPA/Other | |
| c. | | | | | | | | State | |
| d. | | | | | | | | EPA/Other | |
| J. Additional Descriptions for Materials Listed Above | | | | K. Handling Codes for Wastes Listed Above | | | | | |
| | | | | a. | | | | b. | |
| | | | | c. | | | | d. | |
| 15. Special Handling Instructions and Additional Information DO NOT BREAK BAGS OR CAUSE DUSTS. AVOID BREATHING DUST. BURY SEPARATELY AND COVER WITH BACKFILL. | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | | | |
| Printed/Typed Name Agent Charles Baur | | | | Signature Charles Baur | | | | Month Day Year 090590 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DONALD J HILLS | | | | Signature Donald J Hills | | | | Month Day Year 090690 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | | | Signature | | | | Month Day Year | |
| 19. Discrepancy Indication Space | | | | | | | | | |
| 20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Charles Baur | | | | | | | | | |
| Signature Charles Baur | | | | Month Day Year 090690 | | | | | |

8830303105
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

| | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|---------------------------------------|--|--|--|--|--|----------------------------------|--|-----------------------------|--|------------------------------------|--|--|--|----------------|--|--|--|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. CAD982101615673702 | | Manifest Document No. 73702 | | 2. Page 1 of 1 | | Information in the shaded areas is not required by Federal law | | | | | | | | | | | | | |
| 3. Generator's Name and Mailing Address ANDREW JERGENS COMPANY, 99 WEST VERDUGO AVENUE BURBANK, CA 91503 | | | | | | A. State Manifest Document Number 89473702 | | | | | | | | | | | | | | | |
| 4. Generator's Phone (818 846-9822 | | | | | | B. State Generator's ID HSH036028309 | | | | | | | | | | | | | | | |
| 5. Transporter 1 Company Name VARIA WASTE MANAGEMENT | | | | | | C. State Transporter's ID 014241 | | | | | | | | | | | | | | | |
| 6. US EPA ID Number CAD98210399315 | | | | | | D. Transporter's Phone (213) 944-3381 | | | | | | | | | | | | | | | |
| 7. Transporter 2 Company Name SECURITY ENVIRONMENTAL SYSTEMS | | | | | | E. State Transporter's ID CAD000625921 | | | | | | | | | | | | | | | |
| 8. US EPA ID Number CAD000625921 | | | | | | F. Transporter's Phone (714) 892-6645 | | | | | | | | | | | | | | | |
| 9. Designated Facility Name and Site Address CHIEF SUPPLY CORPORATION RT2 BOX 71 HASKELL, OK 74436 | | | | | | G. State Facility's ID OKD089761290 | | | | | | | | | | | | | | | |
| 10. US EPA ID Number OKD089761290 | | | | | | H. Facility's Phone (918) 482-5271 | | | | | | | | | | | | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | | | | | 12. Containers No. Type | | 13. Total Quantity | | 14. Unit Wt/Vol | | 15. Waste No. | | | | | | | | | |
| a. WASTE COMBUSTIBLE LIQUID, N.O.S. COMBUSTIBLE LIQUID N1993 (CONTAINS NAPHTHA, PETROLEUM DISTILLATES, TRICHLOROETHANE) | | | | | | 01 01 1 DIM 01 0001 51 5 G | | | | | | State 211 EPA/Other F001 | | | | | | | | | |
| b. | | | | | | | | | | | | State EPA/Other | | | | | | | | | |
| c. | | | | | | | | | | | | State EPA/Other | | | | | | | | | |
| d. | | | | | | | | | | | | State EPA/Other | | | | | | | | | |
| J. Additional Descriptions for Materials Listed Above NAPHA NAPHTHA-25%; PETROLEUM-25%; | | | | | | K. Handling Codes for Wastes Listed Above a. b. c. d. | | | | | | | | | | | | | | | |
| 15. Special Handling Instructions and Additional Information WEAR GLOVES, GOGGLES, BOOTS, APRON KEEP WA AWAY FROM HEAT, SPARKS, FLAMES 24HR EMERGENCY PHONE# (818) 798-3688 CONTACT: AL ALAHIG | | | | | | | | | | | | | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | | | | | | | | | | | | | | | |
| Printed/Typed Name ALLEN W. HAIG | | | | | | Signature <i>Allen W. Haig</i> | | | | Month Day Year 11/1/89 | | | | | | | | | | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | | | | | Printed/Typed Name JESSE IREY | | | | Signature <i>Jesse Ireay</i> | | | | Month Day Year 11/1/2910 | | | | | | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | | | | | Printed/Typed Name | | | | Signature | | | | Month Day Year | | | | | | | |
| 19. Discrepancy Indication Space | | | | | | | | | | | | | | | | | | | | | |
| 20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | | | | | | Printed/Typed Name | | | | | | | | Signature | | | | Month Day Year | | | |

Please print or type. (Form designed for use on elite (12-pitch typewriter)

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1

Information in the shaded areas
is not required by Federal law.

CA0980011415613347

1 of 1

3. Generator's Name and Mailing Address

THE ANDREW JERGENS CO.
99 WEST VERDUGO AVE
BURBANK CA 91502

A. State Manifest Document Number

90113347

B. State Generator's ID

4. Generator's Phone (818) 846-9812

5. Transporter 1 Company Name

NIETO AND SONS TRUCKING CAT080016116

6. US EPA ID Number

C. State Transporter's ID 84629

D. Transporter's Phone 714-990-6855

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

PETROLEUM RECYCLERS INC.
1835 E. 29th STREET
SIGNAL HILL, CA 90806

10. US EPA ID Number

CAT080011059

G. State Facility's ID

H. Facility's Phone

213-595-6597

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No Type13. Total
Quantity14.
Unit
Wt/Vol

1. Waste No.

a. NON RCRA HAZARDOUS WASTE LIQUID

0 DILT L 1/100 G

State 241

EPA/Other
EXEMPT

b.

State

c.

State

EPA/Other

d.

State

EPA/Other

J. Additional Descriptions for Materials Listed Above

NO SMOKING
GLOVES
GOGGLES

K. Handling Codes for Wastes Listed Above

a.

b.

c.

d.

15. Special Handling Instructions and Additional Information

DEMENNO KERDOON CAT080013352
2000 N. ALAMEDA 213-537-7100
COMPTON, CA 90222GIBSON OIL REFINERY
COMMERCIAL DRIVE
BAKERSFIELD, CA 93308CAD960883177
805-327-0413

16.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name

Signature

Month Day Year

ALEX W. HAIG

Alex W. Haig

11 10 1990

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

CAT080016116

Alex W. Haig

10 11 1990

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

(from alcohol tank)

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 12**

- Drawing No. 1852-A [see documents produced in response to Request No. 6(b)]
- 12/16/83 letter from Jergens to South Coast Air Quality Management District
- Vicinity Map [see documents produced in response to Request No. 6(b)]
- 10/9/87 Study by ESTI Engineering [see documents produced in response to Request No. 7]

Jergens

December 16, 1983

South Coast Air Quality
Management District
9150 Flair Drive
El Monte, CA 91731
ATTN: Executive Officer AQMD

Dear Sir:

On Sunday, 12/11/83, an incident occurred at our plant involving a Hydrochloric Acid storage tank. A leak developed in the outlet valve located at the base of this tank. Approximately 25 gallons of 31.5% HCl leaked to the ground, with about 75% of this turning to vapor and the remainder being neutralized and cleaned up.

This leak was identified as being dangerous at approximately 4:45 AM by a Jergens security guard who called for assistance. Phone calls were made to Jergens management and California Plant Protection Guard Service and to the Burbank Fire Department. Upon arrival the Burbank Fire Department called the Hazardous Materials Unit of the Los Angeles County Fire Department which then sealed off the leak.

Cal-United Services was called to empty the tank and clean up the diked area in which this tank is located.

After the clean up operation the leaking valve was removed and inspected. It was determined that the valve supplied for this application was incorrect, and had been eaten thru by the acid.

A new teflon lined plug valve has been installed. This is a Durco T-Line valve made by Duriron Co., Cookeville, TN. All wetted parts are teflon lined. This valve is suited for HCl service.

Sincerely,

THE ANDREW JERGENS COMPANY


W. R. Somerville,
Assistant Vice President

DOCUMENT RESPONSIVE TO REQUEST NO. 12

WRS:mg
cc: Mr. Ed Duncan

019022

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 13**

NONE

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 14**

- Drawings Nos. 1814-B, 1825-C,
1826-B, 1852-A [see documents
produced in response to
Request No. 6(b)]

- Burbank Discharge Permit
and Requirements



CITY OF BURBANK
275 EAST OLIVE AVENUE, P.O. BOX 6459, BURBANK, CALIFORNIA 91510

June 5, 1989

The Andrew Jergens Company
99 W. Verdugo Avenue
Burbank, CA 91502

Subject: Industrial Waste Discharge Permit #00905

Gentlemen:

Enclosed please find the Industrial Waste Discharge Permit issued to you, pursuant to the provisions of the Burbank Municipal Code, Section #25-506.

Please note that it is your responsibility to familiarize yourself and the operating personnel with the requirements established by this permit and comply with them at all times. You are also required to post a copy of the permit at a location visible to all operating personnel.

If you have any questions, please contact Mr. Stephen Etzwiler at (818) 841-7790.

Sincerely,

Carl G. Brooks
Public Works Director

CGB:PGT:lb

Enclosure



CITY OF BURBANK
275 EAST OLIVE AVENUE, P.O. BOX 6459, BURBANK, CALIFORNIA 91510

INDUSTRIAL WASTE DISCHARGE PERMIT NUMBER 00905

DATE: June 5, 1989

ISSUED TO: The Andrew Jergens Company
99 W. Verdugo Avenue
Burbank, California 91502

INSPECTION CLASS: 4

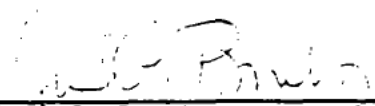
EXPIRATION DATE: September 30, 1992

CONDITIONS:

This permit authorizing the discharge of industrial wastes into the sewerage system of the City of Burbank is granted on condition that the permit holder will comply with all provisions of Chapter 25 of the Burbank Municipal Code, with all applicable rules and regulations adopted pursuant to Chapter 25 of the Burbank Municipal Code, with all accompanying site-specific permit requirements and with all provisions of the Federal Clean Water Act.

Failure to comply with any of these conditions may result in suspension or revocation of this permit.

This supersedes all previous Industrial Waste Permits.



Carl G. Brooks
Director of Public Works

POST IN A CONSPICUOUS PLACE

PUBLIC WORKS DEPARTMENT

INDUSTRIAL WASTE DISCHARGE REQUIREMENTS FOR
THE ANDREW JERGENS COMPANY
(a non-integrated facility)

INDUSTRIAL WASTE DISCHARGE PERMIT NO 00905

The industrial user shall meet the following standards at all times:

A. EFFLUENT LIMITATIONS

1. The rate of effluent discharge shall not exceed an average flow of 50,000 gallons per day and a maximum flow of 100 gallons per minute.
2. The industrial user shall not discharge effluent or wastewater with concentrations of pollutants in excess of the following limits:

ALLOWABLE EFFLUENT LIMITS

| <u>CONSTITUENTS</u> | <u>UNITS</u> | <u>DAILY MAXIMUM</u> |
|--------------------------|--------------|----------------------|
| Dispersed Oil & Grease | mg/L | 300 |
| Floatable Oil & Grease | mg/L | none visible |
| Temperature (maximum) | deg F | 104 |
| Suspended Solids | mg/L | 1000 |
| Total Dissolved Solids | mg/L | 1000 |
| Chloride | mg/L | 250 |
| Sulfate | mg/L | 250 |
| Chlorinated Hydrocarbons | mg/L | none |
| pH (range) | units | 5.5 to 9.5 |

3. Radioactivity in the effluent shall not exceed the limits specified in Title 17, Chapter 5, Subchapter 4, Group 3, Article 5, Section 30287, of the California Administrative Code.
4. Discharge of the following wastes into the public sewer system or storm drain is prohibited:
 - a. Any pollutants which will cause upset, pass through or interference with the operation or performance of the publicly owned treatment works.
 - b. Any pollutants which create a fire or explosion hazard in the publicly owned treatment works.

- c. Any wastewater which would cause the Publicly Owned Treatment Works influent temperature to be higher than 104 degrees F.
- d. Any solids or viscous substances of such size or in such quantity as to cause obstruction to the flow in the sewer or to be detrimental to proper wastewater treatment plant operations.

These objectionable substances include, but are not limited to: asphalt, dead animals, offal, ashes, sand, mud, straw, industrial process shavings, metal, glass, rags, feathers, tar, plastics, wood, whole blood, bones, hair, coffee grounds, egg shells, seafood shells, flashings, entrails, paper dishes or cups, milk containers, or other similar products, either whole or ground.

- e. Any wastes containing flammable, toxic, corrosive, poisonous, or reactive materials, which are injurious to humans or animals, create a hazard or a public nuisance, or interfere with the effective operations of the collection and/or treatment system, or inhibit biological activity.
- f. Any water added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentration limitations. The Public Works Director may impose mass limitations on industrial users who are using dilution to meet applicable standards.
- g. Any non-biodegradable cutting oil, commonly called soluble oil, which form persistent water emulsions.
- h. Any wastes with excessively high BOD, COD or decomposable organic constituents.
- i. Any strongly odorous wastes or wastes which can create odors in the receiving waters of the sewage system.
- j. Any excessive amounts of organic phosphorous type compounds.
- k. Any excessive amounts of deionized water, steam condensate, distilled water or single pass cooling water.
- l. Any wastes containing substances which may precipitate, solidify, or become viscous at temperatures between 50 and 100 degrees F.
- m. Any wastes producing excessive discoloration of wastewater or treatment plant effluent.
- n. Any blow-down or bleed-off water from cooling towers or other evaporative coolers exceeding one-third the makeup water.

- o. Any rainwater, storm water, groundwater, street drainage, surface drainage, roof drainage, yard drainage, water from yard fountains, lawn sprays or any other uncontaminated water.
- p. Regeneration wastes from commercial and industrial capacity water softeners, deionizers and R.O. units. Only those units with exchangeable cartridges will be allowed.

B. GENERAL DISCHARGE PROVISIONS

- 1. The industrial user shall be required to provide, install and operate a pretreatment system and/or clarifier of 750 gallon capacity, or of a size capable of providing a minimum thirty minute flow detention time at peak flow rate. Approval by the Public Works Director of the size, type and location of the pretreatment system or clarifier shall be obtained prior to installation.
- 2. The industrial user shall provide continuous pH monitoring and recording equipment at a point of effluence into the City sewer system.
- 3. The industrial user shall provide a secured sampling facility at each point source of industrial wastewater discharge.
- 4. The industrial user shall provide appropriate segregation and impervious spill containment (curbing) around all process tanks, process areas and chemical storage areas.
- 5. Sanitary wastes from restrooms, lavatories, drinking fountains, showers, etc., shall be segregated from the process waste waters until necessary pretreatment, flow, and monitoring steps are completed.
- 6. Cleansers utilized in wastes discharged into the public sewer shall be limited to soap, similarly acting biodegradable synthetic detergents, sodium or potassium compounds of phosphates, polyphosphates, silicates, sulfates, carbonates, bicarbonates or hydroxides. The concentrations of any constituents in the cleansers may not exceed allowable discharge limits. No organic solvents may be discharged into the sewer system.
- 7. A copy of the Industrial Waste Discharge Permit shall be maintained at the facility so as to be available at all times to operating personnel.
- 8. The Industrial Waste Discharge Permit is valid only for a waste discharge volume and maximum rate stated in the application and at a discharge rate not to exceed the average daily flow stated in this permit.
- 9. The top of the pretreatment facilities, clarifier and secured sampling facility shall be at least three inches above ground level when installed in an unroofed area. Provisions shall also be made to divert storm waters from sumps, clarifiers and secured sampling facilities.

10. If changes should occur in plumbing layout subsequent to the issuance of an industrial waste permit, the industrial user shall submit, as built, plumbing plans of building showing clearly the origin of wastewater and the processes creating the wastewater, and listing accurately for each wastewater discharge point the total daily flow in gallons and the peak flow rate in gallons per minute, including the location and details pretreatment facilities, clarifier, and the connection to the public sewer system.
11. The industrial user shall notify the Public Works Director, or his authorized representative, by telephone immediately prior to start-up of the discharge in order to obtain approval.

C. STANDARD PROVISIONS

1. Permits issued pursuant to Section 25 of the City of Burbank Municipal Code do not authorize the commission of any act causing injury to the property of another, nor protect the industrial user from his liabilities under federal, state, or local law.
2. The discharge of any radiological, chemical, or biological warfare agent, or high level radioactive waste is prohibited.
3. The industrial user shall comply with applicable toxic and pretreatment standards promulgated in accordance with the Federal Clean Water Act, and amendments thereto. The industrial user shall submit periodic notices (over intervals not to exceed three months) of progress towards compliance with applicable federal, state, and local pretreatment standards.
4. The industrial user shall maintain in good working order, and shall operate as efficiently as possible any facility or pretreatment system installed by the industrial user to achieve compliance with permit requirements.
5. All wastes which are prohibited from being discharged into public sewers, including, but not limited to, chemical solutions, acids, caustic wastes, solvents, oil, grease, screenings, sludges, and other solids removed from liquid wastes, etc., shall be held in impervious containers and disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which discharge requirements have been prescribed by a Regional Water Quality Control Board, and which is in full compliance therewith.
6. The industrial user shall submit a Quarterly Industrial Waste Report by the fifteenth day of the month following the reporting quarter. This report shall include a complete chemical inventory and copies of all waste hauling records. If no wastes are hauled during the reporting period, a statement to that effect shall be submitted to the Public Works Director.

7. In the event the industrial user has released wastewater into the sewer or storm drain in violation of standard conditions of the Industrial Waste Discharge Permit, or of federal or state regulations due to:

- (a) breakdown of waste treatment equipment,
- (b) accidents caused by human error or negligence, or
- (c) other causes, such as acts of nature,

--- the industrial user shall notify the Public Works Director, or his authorized representative, by telephone, as soon as he or his agents have knowledge of the incident, and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the violation, and shall indicate what steps were taken to correct the problem, and the dates thereof, and what steps are being taken to prevent the problem from recurring.

8. This Industrial Waste Discharge Permit expires on September 30, 1992. The industrial user must file an application for issuance of a new Industrial Waste Discharge Permit no later than 60 days in advance of this expiration date.

D. SELF-MONITORING AND REPORTING REQUIREMENTS

1. The industrial user shall monitor and file with the Public Works Department a Self-Monitoring Report for the following parameters as specified. This report is due on the fifteenth day of the month following the reporting period. The permittee shall notify the City's Industrial Waste Department 48 hours prior to sampling.

Note: S.S.F. = Secured Sampling Facility
P.D.U. = Post Cyanide Destruction Unit

| <u>CONSTITUENT</u> | <u>UNITS</u> | <u>SAMPLE TYPE</u> | <u>FREQUENCY</u> | <u>SAMPLE LOCATION</u> |
|------------------------|--------------|--------------------|------------------|------------------------|
| Flow | GPD | continuous | quarterly | S.S.F. |
| Temperature | deg F | grab | quarterly | S.S.F. |
| Suspended Solids | mg/L | 24-hr. comp. | quarterly | S.S.F. |
| pH | units | grab | quarterly | S.S.F. |
| BOD | mg/L | 24-hr. comp. | quarterly | S.S.F. |
| COD | mg/L | 24-hr. comp. | quarterly | S.S.F. |
| Chlorides | mg/L | 24-hr. comp. | quarterly | S.S.F. |
| Sulfates | mg/L | 24-hr. comp. | quarterly | S.S.F. |
| Disp. Oil & Grease | mg/L | 24-hr. comp. | quarterly | S.S.F. |
| *MBAS | mg/L | 24-hr. comp. | quarterly | S.S.F. |
| Total Dissolved Solids | mg/L | 24-hr. comp. | quarterly | S.S.F. |

*Even though no limit is established, Jergens should test to insure no excessive amounts are discharged. (Jergens to test).

Each report shall contain the following declaration:

"I declare under penalty of perjury that I have personally examined and am familiar with all the information in this Industrial Waste Self-Monitoring Report and all attachments. Based upon my inquiry of persons immediately responsible for obtaining the information contained herein, I believe that the information is true, complete and accurate."

- a. Self-Monitoring Reports shall be signed by a duly authorized representative responsible for the overall operation of the facility from which the discharge originates. In the case of a partnership, by the general partner; in the case of sole proprietorship, by the proprietor.
 - b. For each item in violation of discharge standards, the industrial user shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with the requirements at the earliest possible date, and shall submit a time table for correction. This report must also contain the interim measures that have been implemented.
 - c. The industrial user shall retain, for a minimum period of three years, records of all disposal activity, monitoring activity and sample results. This includes all waste hauling and recycling manifests/receipts, original strip charts, calibration and maintenance logs. The period of retention shall be extended during the course of any unresolved administrative enforcement actions or litigation regarding the discharge of pollutants by the industrial user when requested by the Public Works Director.
 - d. All laboratory analyses shall be conducted by a certified laboratory in accordance with EPA approved procedures and/or the most current Standard Methods.
2. The industrial user shall notify the Public Works Director not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than twenty percent. Such notifications shall include estimates of proposed production rate, the type of process, and the projected effects on effluent quality. Notification shall be accompanied by submittal of a new Industrial Waste Discharge Application with appropriate filing fee.
 3. The industrial user shall file with the Public Works Department a report at least 120 days before making any material change or proposed change in the character, volume or location of wastewater discharge.
 4. In the event of any change of ownership or control of the company, the new owner or operator shall notify the Public Works Director of such change, and shall apply for an Industrial Waste Discharge Permit at least 30 days prior to such change.

E. OPERATION AND MAINTENANCE OF THE PRETREATMENT SYSTEM AND CALIBRATION INSTRUMENTS

1. The industrial user shall prepare and maintain, up-to-date, an Operation and Maintenance Manual for the pretreatment system for ready reference by company employees and City representatives. Checklists for operation and maintenance for routine use should be developed. This manual does not need to be submitted for approval.
2. The industrial user shall operate, maintain and calibrate the pretreatment system control and recording instruments per the Operation and Maintenance Manual.
3. The industrial user shall provide an adequate number of qualified personnel to operate and maintain the pretreatment system.
4. The industrial user shall maintain a current operation and maintenance log at the control center of the pretreatment system. The log shall record all pretreatment system malfunctions, equipment failures, and other related information, and shall be properly dated and signed. The log shall be made accessible for the inspection by City representatives at all times.
5. The industrial user shall maintain an adequate stock of replacement parts for key components of the pretreatment system, and an adequate supply of all pretreatment chemicals and other related materials.

Carl G. Brooks
Carl G. Brooks
Public Works Director
City of Burbank

6-7-19
Date

THE ANDREW JERGENS COMPANY

**DOCUMENTS RESPONSIVE
TO REQUEST NO. 15**

NONE

Pages 405 - 871 Redacted
Confidential Business Information